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DEPARTMENT OF AGRICULTURE—BUREAU OF CHEMISTRY

BULLETIN No. 234

COMMERCIAL FEEDING STUFFS

OF PENNSYLVANIA IN 1912

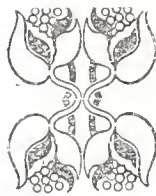
THEIR CHEMICAL AND MICROSCOPICAL EXAMINATION

JAMES W. KELLOGG, Chief Chemist



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LETTER OF TRANSMITTAL

DEPARTMENT OF AGRICULTURE.
BUREAU OF CHEMISTRY.

Harrisburg, Pa., April 23, 1913.

Hon. N. B. Critchfield,
Secretary of Agriculture,
Harrisburg, Pa.

Dear Sir: I have the honor to transmit herewith a report of the chemical analyses and microscopical work performed by this Bureau in the examination of samples of commercial feeding stuffs collected in the open markets of the State during 1912. The results of analyses of special samples and such additional information as was considered important are also included.

It is recommended that this report be published in bulletin form for distribution.

Very respectfully,
JAMES W. KELLOGG.
Chief Chemist.



BULLETIN No. 234.

COMMERCIAL FEEDING STUFFS

OF

PENNSYLVANIA

IN

1912

Their Chemical and Microscopical Examination

JAMES W. KELLOGG.*

INTRODUCTION.

The report herewith presented includes the results obtained in the examination of feeding stuffs during the year 1912. Special agents of the Department visited 333 towns and cities in 64 counties of the Commonwealth and obtained 1400 samples which were sent to the Bureau of Chemistry for examination. All of these samples were analyzed and subjected to a microscopical examination and reports were sent to the manufacturers and dealers in each case.

In addition to the official samples received, 194 samples were sent in for analysis by manufacturers and dealers, and the results obtained were reported in each case to the senders. Inquiries in regard to labeling were also replied to and included with the reports of analyses.

*Assisted by John S. Spicer, George L. Walters, Malcolm H. Ulman, Elmer C. Gildroy and W. Earl Huber. The microscopical work herein reported was performed by Mr. Spicer.

In the following pages will be found the results of chemical and microscopical analyses, which have been tabulated, together with a list of the counties visited, a classification of the samples received and comments on each class of feeds in the order of their classification. A list of feed definitions is given which includes a few additional products not listed in our former reports. It was thought advisable to include some information concerning the method of estimating rations by the use of energy values, therefore, an attempt is made to illustrate by an example how a ration may be calculated on the basis of therms of energy and digestible protein. A table is also included which shows the amount of digestible protein, therms of energy and dry matter in certain feeds where experiments have been made to determine these values. This method of estimating the feed requirements of animals is being strongly advocated by nutrition experts and while the subject is too comprehensive to be dealt with properly in a feeding stuffs report, it is hoped the information given will prove of interest and value to those making a study of this work.

Judging from the samples examined the character of the feeds sold in Pennsylvania during 1912 was good. The inspection work from year to year shows a continued improvement in the quality of feeding stuffs. A less number of deficiencies were noted than were ever before reported (See table No. V). The number of cases where it was found necessary to bring action for violation of the law remained low. The guarantees, as a rule, were correctly given and in a great many cases the analyses showed the crude protein to be considerably in excess of the guarantee. This condition is undoubtedly due to an earnest effort on the part of the manufacturers to meet the requirements of the feeding stuff law and to co-operate with the Department in guaranteeing their products as correctly as possible. In a number of cases it was found that the composition and guarantees were incorrectly given and legal action was necessary. In a few samples of mixed feeds it was difficult to find present a fair proportion of the whole grains claimed which hardly justified their being named in the list of ingredients. Where a feed is advertised to contain whole cracked grains together with certain by-products, one would expect to find upon examination a fair proportion of the whole, sound, clean grains but this condition does not always exist. We continue to find whole weed seeds present in varying amounts in certain feeds. The molasses feeds, as a rule, were quite free from whole or unground weed seeds, but some of the chicken feeds examined showed a need of improvement in this respect. The general character of the feeds received clearly denotes that the enforcement of the feeding stuffs law has greatly assisted in the production of cleaner and more correctly labeled and guaranteed products.

The usual number of bulletins have been distributed and inquiries answered. Registrations have been received covering practically every brand of feed which was found offered for sale in the State.

ACKNOWLEDGMENTS.

Acknowledgment is made to Hon. N. B. Critchfield, Secretary of Agriculture, for the many courtesies and helpful suggestions received and to our General Agent, Mr. Geo. G. Hutchison, and each member of the Bureau Staff whose devotion to their many tasks have made possible the satisfactory completion of the year's work.

Many thanks are hereby extended to Manufacturers of and Dealers in feeding stuffs and to the several Trade Journals and Associations who have given valuable assistance by their co-operation in endorsing our work.

DEFINITIONS.

The following feeding stuffs definitions were adopted by the Association of Feed Control Officials of the United States. Many of these definitions were included in our former report and inasmuch as new definitions were adopted at the meeting held November 18th and 19th, 1912, the total list of definitions is herewith presented.

ALFALFA MEAL is the entire alfalfa hay ground, and does not contain an admixture of ground alfalfa straw or other foreign materials.

BLOOD MEAL is ground dried blood.

BREWERS' DRIED GRAINS are the properly dried residue from cereals obtained in the manufacture of beer.

BUCKWHEAT SHORTS OR BUCKWHEAT MIDDINGS are that portion of the buckwheat grain immediately inside of the hull after separation from the flour.

CHOICE COTTONSEED MEAL must be finely ground, not necessarily bolted, perfectly sound and sweet in odor, yellow, free from excess of lint, and must contain at least 41 per cent. of protein.

CHOP is a ground or chop feed composed of one or more different cereals or by-products thereof. If it bears a name descriptive of the kind of cereals, it must be made exclusively of the entire grains of those cereals.

CLIPPED OAT REFUSE (term oat clippings not recognized) is the resultant by-product obtained in the manufacture of clipped oats. It may contain light, chaffy material broken from the ends of the hulls, empty hulls, light, immature oats and dust. It must not contain an excessive amount of oat hulls.

CORN BRAN is the outer coating of the corn kernel.

CORN FEED MEAL is the sifting obtained in the manufacture of cracked corn and table meal from the whole grain.

CORNSTARCH BY-PRODUCT with corn bran is that portion of commercial shelled corn that remains after the separation of the larger part of the starch, and the germ by the processes employed in the manufacture of corn-starch and glucose. It may or may not contain corn solubles.

CORN STARCH BY-PRODUCT without corn bran is that part of commercial shelled corn that remains after the separation of the larger part of the starch, the germ and the bran by the processes employed in the manufacture of corn starch and glucose. It may or may not contain corn solubles.

COTTONSEED FEED is a mixture of cottonseed meal and cottonseed hulls, containing less than 36 per cent. of protein.

COTTONSEED MEAL is a product of the cottonseed only, composed principally of the kernel with such portion of the hull as is necessary in the manufacture of oil; provided that nothing shall be recognized as cottonseed meal that does not conform to the foregoing definition and that does not contain at least 36 per cent. of protein.

CRACKLINGS are the residue after partially extracting the fats and oils from the animal tissue. If they bear a name descriptive of their kind, composition or origin, they must correspond thereto.

DIGESTER TANKAGE is the residue from animal tissue exclusive of hoof and horn especially prepared for feeding purposes by tanking under live steam, drying under high heat, and snitable grinding. If it contains any considerable amount of bone, it must be designated **DIGESTER MEAT AND BONE TANKAGE**.

DISTILLERS' DRIED GRAINS are the dried residue from cereals obtained in the manufacture of alcohol and distilled liquors. The product shall bear the designation indicating the cereal predominating.

FLAX PLANT BY-PRODUCT is that portion of the flax plant remaining after the separation of the seed, the baste fibre and a portion of the shives, and consists of flax shives, flax pods, broken and immature flax seeds and the corticle tissue of the stem.

GOOD COTTONSEED MEAL must be finely ground, not necessarily bolted, of sweet odor, reasonably bright in color and must contain at least 36 per cent. of protein.

GRITS are the hard, flinty portions of Indian corn without hulls and germ.

HOMINY MEAL, HOMINY FEED, OR HOMINY CHOP is a mixture of the bran coating, the germ and a part of the starchy portion of the corn kernel obtained in the manufacture of hominy grits for human consumption.

MALT SPROUTS are the sprouts of the barley grain. If the sprouts are derived from any other malted cereal, the source must be designated.

MEAL is the clean, sound, ground product of the entire grain, cereal or seed which it purports to represent: Provided, that the following meals, qualified by their descriptive names, are to be known as viz: CORN GERM MEAL is a product of the manufacture of starch, glucose and other corn products and is the germ layer from which a part of the corn oil has been extracted. LINSEED MEAL is the ground residue after extraction of part of the oil from ground flaxseed.

MEAT SCRAP AND MEAT MEAL are the ground residues from animal tissue exclusive of hoof and bone. If they contain any considerable amount of bone, they must be designated MEAT and BONE SCRAP, or MEAT and BONE MEAL. If they bear a name descriptive of their kind, composition or origin, they must correspond thereto.

OAT GROATS are the kernels of the oat berry with the hulls removed.

OAT HULLS are the outer chaffy coverings of the oat grain.

OAT MIDDINGS are the floury portion of the oat groat obtained in the milling of rolled oats.

OAT SHORTS are the covering of the oat grain lying immediately inside the hull, being a fuzzy material carrying with it considerable portions of the fine floury part of the groat obtained in the milling of rolled oats.

PRIME COTTONSEED MEAL must be finely ground, not necessarily bolted, of sweet odor, reasonably bright in color, yellow, not brown or reddish, free from excess of lint, and must contain at least 38.6 per cent. protein.

RED DOG is a low grade wheat flour containing the finer particles of bran.

RICE BRAN is the cuticle beneath the hull.

RICE HULLS are the outer chaffy coverings of the rice grain.

RICE POLISH is the finely powdered material obtained in polishing the kernel.

SCREENINGS are the smaller imperfect grains, weed seeds and other foreign material having feeding value, separated in cleaning the grain.

SHIPSTUFF or WHEAT MIXED FEED is a mixture of the products other than the flour obtained from the milling of the wheat berry.

SHORTS or STANDARD MIDDLINGS are the fine particles of the outer and inner bran separated from bran and white middlings.

WHEAT BRAN is the coarse outer coatings of the wheat berry.

WHEAT WHITE MIDDLINGS or WHITE MIDDLINGS are that part of the offal of wheat intermediate between shorts or standard middlings and red dog.

ANALYSES OF SAMPLES OF FEEDING STUFFS RECEIVED FROM MANUFACTURERS AND PURCHASERS LOCATED IN PENNSYLVANIA.

By a special provision of the Feeding Stuff law it is possible for consumers of feeding stuffs located in the State to send samples to the Department for chemical analysis. The fee charged for this work is \$1.00 per sample. During the year 194 samples were received and reports made in each case, with one exception where the sender refused to remit the analysis fee. In the following table (No. I) will be found a list of these feeds together with the results of analysis.

TABLE I.—ANALYSES OF SAMPLES OF FEEDING STUFFS RECEIVED FROM MANUFACTURERS AND PURCHASERS LOCATED IN PENNSYLVANIA.

Chief Chemist's number.	Name of Feeding Stuff.	Received From—	Crude protein.	Crude fat.	Crude fiber.
F 1290	Dried brewers' grains No. 4,	Stegmaier Brewing Co., Wilkes-Barre.	23.38	7.06	15.43
F 1291	Gluten feed No. 1,-----	C. W. Wagar & Co., Philadelphia.	25.63	3.03	7.43
F 1292	Dried distillers' grains, ----	Hamburger Distillery Ltd., Pittsburgh.	16.50	8.74	12.82
F 1293	Mixed feed, -----	Blank & Gottshall, Sunbury, --	17.50	5.00	4.95
F 1294	Quality Laying Mash, -----	Weeks Hardware Co., Scranton,	24.69	5.05	4.86
F 1295	Quality Dry Mash, -----	Weeks Hardware Co., Scranton,	16.81	3.44	8.88
F 1296	Golden Brand Poultry Feed,	Schneider Bros. & Co., Mount Carmel.	10.31	2.98	3.61
F 1297	Dried brewers' grains No. 5,	Stegmaier Brewing Co., Wilkes-Barre.	24.19	7.84	14.48
F 1298	Dried brewers' grains No. 6,	Stegmaier Brewing Co., Wilkes-Barre.	24.19	7.10	16.02
F 1299	Dried bread (sample No. 1),	General Baking Co., Pittsburgh,	16.06	1.53	0.51
F 1300	Toasted bread (sample No. 2),	General Baking Co., Pittsburgh,	16.50	1.97	0.49
F 1301	Cottonseed meal, -----	Nuttall & Barlow, Sugar Grove,	42.31	7.88	7.81
F 1302	Malt Sprouts, No. 119312,--	M. F. Baringer, Philadelphia,--	26.19	2.09	14.18
F 1303	Molasses feed, -----	Dwight E. Hamlin & Co., Pittsburgh.	22.06	5.17	12.73
F 1304	Hen food, -----	Millard & Seureman, Wilkes-Barre.	10.25	3.14	2.52
F 1305	Buckwheat feed, -----	Wyoming Valley Milling Co., Wilkes-Barre.	22.31	5.43	6.80
F 1306	Poultry food, -----	The Fritz Co., Philadelphia, --	11.06	3.37	3.08
F 1307	Chick food, -----	The Fritz Co., Philadelphia, --	10.31	3.63	3.55
F 1308	Chick starter, -----	The Fritz Co., Philadelphia, --	10.38	3.58	3.53
F 1309	Pigeon food, -----	The Fritz Co., Philadelphia, --	12.31	3.16	3.85
F 1310	No. 2 white oats, -----	Scranton Flour & Grain Co., Scranton.	12.38	5.15	5.65
F 1311	Mash feed, -----	Swope Brothers, Johnstown, --	20.19	4.65	7.57
F 1312	Mixed feed, -----	Ernest Vogler, Hawley, -----	10.56	4.32	6.11
F 1313	Yor-Co. Pure Cane Molasses Dairy Feed.	The York Pure Feed Co., York,	19.25	4.92	7.71
F 1314	Yor-Co. Pure Cane Molasses Horse and Mule Feed.	The York Pure Feed Co., York,	17.81	4.70	7.46
F 1315	Cottonseed meal "A," -----	Ezl. Dunwoody Co., Philadelphia.	30.56	8.14	13.06
F 1316	Cottonseed meal "B," -----	Ezl. Dunwoody Co., Philadelphia.	38.19	7.97	13.17
F 1317	Dried distillers' grains, ----	Thompson Distilling Co., Pittsburgh.	16.00	9.89	14.22
F 1318	Scratch feed, -----	Frank E. Thompson, Carlisle,	11.50	3.54	3.23
F 1319	Matchless Egg Maker, -----	Frank E. Thompson, Carlisle,	12.81	4.36	2.00
F 1320	Little Jewel Chick Feed, --	Frank E. Thompson, Carlisle,	12.06	4.59	2.50
F 1321	Dried distillers' grains, ----	Moss Distillery Co., Pittsburgh.	19.06	9.11	13.80
F 1322	Wheat screenings, -----	Elkland Roller Mills, Elkland,	15.19	3.26	6.37
F 1323	Cottonseed meal, -----	Ezl. Dunwoody Co., Philadelphia.	42.00	8.06	8.47
F 1324	Buckwheat middlings, -----	H. J. Klinger & Co., Butler,	22.69	5.00	17.81
F 1325	Ground feed, -----	Wm. H. Albetz, Macungie, --	13.13	2.03	2.32
F 1326	Cottonseed meal No. 407, --	M. F. Baringer, Philadelphia,--	38.31	7.72	11.40
F 1327	Rye and barley distillers' grains.	H. W. Koch, Philadelphia, ---	20.81	8.46	11.82
F 1328	Buckwheat feed, -----	Sprout, Waldron & Co., Muncy.	19.03	4.31	26.32
F 1329	H. & S. Dairy Feed, -----	Dwight E. Hamlin & Co., Pittsburgh.	23.02	4.81	13.60
F 1330	Yor-Co. Pure Dairy Feed,--	The York Pure Feed Co., York,	19.88	5.55	8.03
F 1331	Yor-Co. Pure Horse and Mule Feed.	The York Pure Feed Co., York,	17.97	5.63	8.22
F 1332	Yor-Co. Pure Cane Molasses Swine Feed.	The York Pure Feed Co., York,	16.60	4.75	6.07
F 1333	Yor-Co. Pure Swine Feed, --	The York Pure Feed Co., York,	17.28	5.21	6.57
F 1334	"Special" ground bone and meat.	The Fritz Co., Philadelphia, --	41.44	8.55	1.15
F 1335	Low grade flour, -----	H. W. Thomas, Glen Campbell.	16.66	3.15	1.08
F 1336	Molasses feed, -----	Dwight E. Hamlin & Co., Pittsburgh.	22.41	4.81	12.58
F 1337	Mixed feed, -----	Honesdale Milling Co., Honesdale.	7.00	2.92	15.87

TABLE I.—Continued.

Chief Chemist's number.	Name of Feeding Stuff.	Received From—	Crude protein.	Crude fat.	Crude fiber.
F 1338	Cottonseed meal, -----	John W. Eshelman, Lancaster,	40.88	6.83	12.62
F 1339	Mash food, -----	Blank & Gotshall, Sunbury, --	16.16	3.80	5.23
F 1340	Molasses feed "D. No. 40,"	Dwight E. Hamlin & Co., Pittsburgh.	21.22	5.86	12.05
F 1341	Molasses feed "Ne. No. 42,"	Dwight E. Hamlin & Co., Pittsburgh.	16.28	4.63	15.02
F 1342	Molasses feed "D. No. 43,"	Dwight E. Hamlin & Co., Pittsburgh.	20.15	6.10	13.06
F 1343	Diamond Chick Feed, -----	R. S. McCague, Pittsburgh, ---	11.16	5.08	3.42
F 1344	Savaecools Eureka Poultry Grains.	W. E. Savacool, Benjamin, ---	11.81	4.12	5.05
F 1345	Savaecools Eureka Poultry Mash.	W. E. Savacool, Benjamin, ---	16.35	5.13	7.64
F 1346	Savacools Eureka Chick Feed.	W. E. Savacool, Benjamin, ---	11.94	3.58	1.80
F 1347	Mixed ehop, -----	Charles A Moyer, Emaus, -----	14.16	3.75	3.02
F 1348	Corn bran "G," -----	C. W. Wagar & Co., Philade- phia.	13.47	10.33	6.92
F 1349	Chop feed, -----	Charles P. Matthews & Son, Scranton.	19.66	3.98	10.67
F 1350	Corn oil meal, -----	J. M. H. Walters, Philadelphia,	*	*	*
F 1351	Aurora Brand cottonseed Meal.	Rosekrans-Snyder Co., Phila- delphia.	42.07	7.18	11.12
F 1352	No. 2 Yor-Co. Pure Cane Molasses Horse and Mule Feed.	The York Pure Feed Co., York.	5.22	4.74	5.71
F 1353	H. & S. Alfalfa Dairy Feed,	Dwight E. Hamlin & Co., Pittsburgh.	23.75	6.51	12.46
F 1354	Corn meal, -----	Bergin & Co., Nanticoke, -----	9.82	4.25	1.58
F 1355	Corn meal, -----	G. B. Emert, Youngdale, ---	9.81	6.23	1.92
F 1356	Corn and oat ehop, -----	G. B. Emert, Youngdale, -----	11.41	4.33	5.44
F 1357	Mixed feed, -----	Honesdale Milling Co., Hones- dale.	8.25	2.95	11.37
F 1358	H. & S. Alfalfa Dairy Feed No. 54.	Dwight E. Hamlin & Co., Pittsburgh.	23.71	5.96	11.34
F 1359	Brewers' dried grains, -----	Fuhrman Schmidt Brewing Co., Shamokin.	30.35	6.25	10.01
F 1360	Cracked corn, coarse, -----	H. Rockwell & Son, Canton, --	9.53	3.50	1.50
F 1361	Cracked corn, fine, -----	H. Rockwell & Son, Canton, --	8.78	2.68	1.08
F 1362	Buckwheat middlings, -----	H. J. Klingler & Co., Butler,	8.53	1.90	23.52
F 1363	Malt sprouts, No. 40621, --	M. F. Baringer, Philadelphia,	24.16	2.90	12.45
F 1364	Gluten feed, -----	H. S. Shelly, Allentown, --	23.81	5.45	7.70
F 1365	Mustard bran (yellow), ---	Frank M. Rice & Son, Lewis- town.	25.03	18.37	13.77
F 1366	Mustard bran (brown), ---	Frank M. Rice & Son, Lewis- town.	25.53	10.10	13.63
F 1367	Dixie brand cottonseed meal,	H. J. Klingler & Co., Butler,	42.16	7.41	9.42
F 1368	Buckwheat middlings, -----	H. J. Klingler & Co., Butler,	8.60	1.71	24.30
F 1369	Chick feed, -----	A. C. Godshall & Co., Lans- dale.	10.91	3.03	2.29
F 1370	Buckwheat feed, -----	A. E. Johnson, LeRaysville, --	10.60	3.57	15.30
F 1371	Gluten feed, No. 1, -----	C. W. Wagar & Co., Philadel- phia.	28.25	2.80	6.60
F 1372	Gluten feed, No. 2, -----	C. W. Wagar & Co., Philadel- phia.	25.50	5.58	7.50
F 1373	Gluten feed, No. 3, -----	C. W. Wagar & Co., Philadel- phia.	29.28	3.55	7.32
F 1374	Chick feed, -----	Schneider Bros. & Co., Mt. Carmel.	9.81	3.79	1.79
F 1375	Brewers' grains, "P. B. G. 85,"	Dwight E. Hamlin & Co., Pittsburgh.	28.57	8.42	14.26
F 1376	Alfalfa "A. M. 86," -----	Dwight E. Hamlin & Co., Pittsburgh.	14.56	2.69	31.76
F 1377	Malt sprouts "No. 87," ---	Dwight E. Hamlin & Co., Pittsburgh.	21.19	2.97	15.96
F 1378	Brewers' grains "A. B. B. G., No. 88,"	Dwight E. Hamlin & Co., Pittsburgh.	24.25	7.79	15.01
F 1379	Brewers' grains "Ralston 89,"	Dwight E. Hamlin & Co., Pittsburgh.	27.16	8.60	13.65
F 1380	Yor-Co. Pure Dry Mash Poultry Feed.	The York Pure Feed Co., York.	23.16	7.12	8.27
F 1381	Corn, hominy and oat feed,	Mandeville & Son, Wilkes-Barre,	9.97	4.25	5.87
F 1382	Chicken mash, -----	Bergin & Co., Nanticoke, -----	13.81	3.50	4.02
F 1383	Oats, -----	Jas. H. S. Criess & Co., Potts- town.	13.19	5.43	9.40

*Analysis not reported. Refused to remit fee.

TABLE 1—Continued.

Chief Chemist's number.	Name of Feeding Stuff.	Received From—	Crude protein.	Crude fat.	Crude fiber.
F 1384	Chick feed, -----	Ezl. Dunwoody, Philadelphia,---	12.16	2.90	2.47
F 1385	Buckwheat, -----	Dayton Milling Co., Towanda,---	35.32	3.78	2.75
F 1386	Molasses feed "104 W. C." -----	Dwight E. Hamlin & Co., Pittsburgh,---	14.74	5.45	11.32
F 1387	Molasses feed "105 C." -----	Dwight E. Hamlin & Co., Pittsburgh,---	12.94	4.33	9.55
F 1388	Keystone Horse and Cattle Feed.	Keystone Commercial Co., Pittsburgh,---	12.19	3.25	7.90
F 1389	Colonial Food Digester, -----	Colonial Food Digester Co., Montrose,---	23.63	4.06	11.43
F 1390	Hen feed, -----	A. D. Frey, Wrightsville, -----	11.44	4.60	4.52
F 1391	B. & G. Dairy Feed, -----	Blank & Gottshall, Sunbury,---	20.13	6.05	14.72
F 1392	Hen Food No. 2, -----	Blank & Gottshall, Sunbury,---	11.10	3.13	4.85
F 1393	Chick Food No. 2, -----	Blank & Gottshall, Sunbury,---	11.22	3.23	2.37
F 1394	Branner refuse, -----	Eugene Graf, Pittsburgh,---	17.44	6.23	5.29
F 1395	H. T. Hog Food, -----	The H. T. Stock Food Co., Beaver Falls,---	16.22	4.35	7.05
F 1396	H. T. Sheep Food, -----	The H. T. Stock Food Co., Beaver Falls,---	16.83	4.55	6.40
F 1397	H. & S. Alfalfa Feed, -----	Dwight E. Hamlin & Co., Pittsburgh,---	17.90	4.16	13.18
F 1398	King Horse and Cattle Powder.	I. R. Koons, Linglestown, -----	5.41	3.26	2.12
F 1399	H. & S. Alfalfa Feed, No. 136.	Dwight E. Hamlin & Co., Pittsburgh,---	17.47	3.92	14.01
F 1400	Buckwheat Middlings, -----	H. J. Klingler & Co., Butler, ---	11.94	2.95	24.55
F 1401	Best Mixed Grain for Chickens.	C. P. Matthews & Sons, Scranton,---	10.81	3.23	3.18
F 1402	Mixed Grains for Chickens,---	C. P. Matthews & Sons, Scranton,---	10.35	3.03	3.20
F 1403	Yor-Co. Dried Brewers' Grains.	The York Pure Feed Co., York,---	22.81	6.25	16.10
F 1404	Yor-Co. Ground Dried Brewers' Grains.	The York Pure Feed Co., York,---	40.19	8.30	8.15
F 1405	H. & S. Alfalfa Feed, No. 144.	Dwight E. Hamlin & Co., Pittsburgh,---	12.64	5.12	8.66
F 1406	H. & S. Alfalfa Feed, No. 145.	Dwight E. Hamlin & Co., Pittsburgh,---	16.50	4.88	12.84
F 1407	Corn Chop, -----	Bergin & Co., Nanticoke, -----	9.88	6.05	3.67
F 1408	Eshleman's Home-Made Alfalfa Horse Feed.	John W. Eshelman, Lancaster,---	11.72	4.08	8.76
F 1409	Dried brewers' grains, -----	Fuhrmann & Schmidt Brewing Co., Inc., Shamokin,---	25.41	6.20	13.48
F 1410	The Royal Poultry Regulator.	Roy Lee Smith, Shrewsbury, ---	27.69	4.93	9.95
F 1411	Dairy Feed, -----	C. E. Schmucker, Watsonstown,---	23.00	6.53	11.42
F 1412	Mash Feed (brand No. 3 7-20-12).	F. P. Cassel & Son, Lansdale,---	13.35	5.60	6.60
F 1413	Mixed chop, -----	Bald Eagle Mills, Bald Eagle,---	10.47	4.30	4.42
F 1414	Poultry feed, -----	Schneider Bros. & Co., Mt. Carmel,---	8.72	3.50	3.60
F 1415	Horse Feed, -----	The Mauser Mill Co., Hazleton,---	12.23	3.87	6.42
F 1416	Dairy Feed, -----	The Mauser Mill Co., Hazleton,---	17.56	4.50	8.10
F 1417	Feed No. 8-2708, -----	M. F. Baringer, Philadelphia,---	31.56	12.76	12.16
F 1418	Rye Feed, -----	J. L. Nelson, Craiton, -----	18.28	3.74	4.99
F 1419	Horse Feed, -----	Bergin & Co., Nanticoke, -----	16.35	5.60	6.40
F 1420	Corn bran, -----	J. L. Nelson, Craiton, -----	8.88	6.93	12.66
F 1421	Horse chop, -----	D. & A. Luckenbach, Bethlehem,---	10.83	4.18	2.64
F 1422	Mixed chop, -----	D. & A. Luckenbach, Bethlehem,---	12.13	5.54	4.37
F 1423	Wheat Sprouts, -----	M. F. Baringer, Philadelphia,---	23.19	2.86	4.81
F 1424	Dried grains "K," -----	Ezl. Dunwoody Co., Philadelphia,---	23.16	7.63	13.23
F 1425	Dried grains "W," -----	Ezl. Dunwoody Co., Philadelphia,---	23.19	6.82	13.97
F 1426	Barley Chick Food, -----	Walter P. Stokes, Philadelphia,---	16.75	3.69	2.70
F 1427	Magnolia Poultry Mash, ---	Union Coal Supply & Co., Union City,---	13.53	3.35	4.27
F 1428	Gluten feed, -----	William H. Dunlap, Canonsburg,---	24.25	4.33	6.48
F 1429	Gluten feed (P. R. R. Car No. 63894).	H. S. Shelly, Allentown, -----	23.78	6.55	7.25
F 1430	Buckwheat middlings, -----	H. J. Klingler & Co., Butler,---	7.66	1.95	36.13
F 1431	Flaked corn, -----	Penn Grains & Feed Co., Philadelphia,---	8.07	0.50	0.82

TABLE I.—Concluded.

Chief Chemist's number.	Name of Feeding Stuff.	Received From.	Crude protein.	Crude fat.	Crude fiber.
F 1432	Wheat sprouts, -----	M. F. Baringer, Philadelphia,	26.60	2.00	6.55
F 1433	Brewers' dried grains, -----	Fuhrmann & Schmidt Brewing Co., Inc., Shamokin.	21.75	5.95	16.22
F 1434	Cottonseed meal, -----	D. G. Brinser, Rheems, -----	37.91	9.40	8.77
F 1435	Sunflower seed cake, -----	Ez. Dunwoody Co., Philadel- phia.	39.16	9.17	16.81
F 1436	Buckwheat middlings, -----	Dayton Milling Co., Towanda,	30.56	7.18	8.77
F 1437	Scratch feed, -----	J. Grant Detwiler, Philadelphia,	10.73	4.35	3.65
F 1438	Chick feed, -----	J. Grant Detwiler, Philadelphia,	12.06	2.65	2.03
F 1439	Pigeon feed, -----	J. Grant Detwiler, Philadelphia,	11.13	2.85	2.87
F 1440	Hen-O-La-Mash "B," -----	Hen-E-Ta Bone Co., Blairsville,	13.09	3.00	3.38
F 1441	Hen-O-La-Mash "B R," -----	Hen-E-Ta Bone Co., Blairsville,	12.78	3.33	4.87
F 1442	Quaker Molasses Dairy Feed,	D. G. Brinser, Rheems, -----	17.85	5.00	12.44
F 1443	Cottonseed meal, -----	John W. Eshelman, Lancaster,	40.91	7.93	10.27
F 1444	Beef Scraps, -----	John W. Eshelman, Lancaster,	52.62	13.70	1.27
F 1445	Buckwheat feed—Kiln dried,	Dayton Milling Co., Towanda,	16.19	3.70	25.90
F 1446	Cottonseed meal, -----	D. G. Brinser, Rheems, -----	39.00	6.83	11.75
F 1447	Dry Mash for Poultry, -----	Flory Milling Co., Nazareth, --	20.25	5.13	7.96
F 1448	Buckwheat Middlings, -----	Keystone & Crescent Mills, Uster.	32.78	8.33	6.07
F 1449	Dixie Brand Cottonseed Meal (N. & W., ear No. 62302).	Jacob Trinley & Sons, Linfield,	39.00	8.86	9.92
F 1450	Cottonseed meal, -----	Leonhard Ritter, St. Marys, --	42.63	7.93	8.40
F 1451	U. S. Sugar Feed, -----	M. S. Graybill & Son, Bare- ville.	14.90	5.96	10.54
F 1452	Cottonseed Meal "S. 3826,"	M. F. Baringer, Philadelphia, --	40.28	7.25	11.17
F 1453	Duck Mash, -----	Weeks Hardware Co., Scranton,	15.38	5.60	5.25
F 1454	Quality Growing Mash, --	Weeks Hardware Co., Scranton,	17.31	5.20	3.35
F 1455	Quality Intermediate Feed,	Weeks Hardware Co., Scranton,	11.10	3.46	1.63
F 1456	Dixie Brand cottonseed meal.	Manhattan Mill & Elevator Co., New Brighton.	39.81	7.40	9.30
F 1457	Cocoanut oil cake, -----	C. F. Simonius' Sons, Philadel- phia.	20.22	24.55	8.67
F 1458	Scratch Grains No. 1, -----	R. S. McCague, Pittsburgh, --	11.72	3.25	3.00
F 1459	Scratch Grains No. 2, -----	R. S. McCague, Pittsburgh, --	10.69	2.60	2.90
F 1460	Maxenlay Dry Mash Food,	E. B. Numbers & Son, Cole- brook.	22.50	5.83	7.45
F 1461	Poultry Mash Feed, -----	Ez. Dunwoody Co., Philadel- phia.	22.31	5.50	10.85
F 1462	Cottonseed meal, -----	City Roler Mills, New Castle, --	38.38	7.40	10.70
F 1463	Scratch Feed, -----	Anderson Bros. & Co., York, --	9.66	3.40	3.17
F 1464	Distillers' dried grains, ----	The Penwick Distillery, Ches- wick.	15.85	8.75	13.70
F 1465	Beef scraps, -----	Independent Manufacturing Co., Philadelphia.	55.92	13.40	2.12
F 1466	Chick mash, -----	Blank & Gottshall, Sunbury, --	14.44	4.18	5.67
F 1467	Brewers' dried grains, -----	Stegnaier Brewing Co., Wilkes- Barre.	29.06	8.20	13.02
F 1468	Quaker Brand Scratch Feed.	The Philadelphia Seed Co., Inc., Philadelphia.	10.85	3.50	3.21
F 1469	Brewers' dried grains, No. 2,	Stegnaier Brewing Co., Wilkes- Barre.	30.44	7.90	12.58
F 1470	Distillers' dried grains, ----	Thompson Distilling Co., Pitts- burgh.	15.16	8.65	13.05
F 1471	Distillers' dried grains, ----	Gibson Distilling Co., Gibson- ton.	16.72	9.65	14.70
F 1472	Wheat middlings, -----	D. F. Kilgore & Co., Greens- burg.	18.69	5.98	7.12
F 1473	Invincible Mash Feed, -----	William T. Will & Son, Phila- delphia.	21.25	3.63	6.00
F 1474	Invincible Scratch Feed, ---	William T. Will & Son, Phila- delphia.	11.54	3.63	3.85
F 1475	Cottonseed meal, -----	T. & J. Strawn, Quakertown,	43.88	8.45	7.57
F 1476	Dirigo brand cottonseed meal.	Faxton Flour & Feed Co., Harrisburg.	40.07	8.18	10.07
F 1477	Brewers' dried grains No. 3,	Stegnaier Brewing Co., Wilkes- Barre.	26.44	7.50	14.90
F 1478	McDonald Feed, -----	McDonald Milling Co., Mc- Donald.	10.35	5.53	6.37
F 1479	Scratch Feed Offal, -----	R. S. McCague, Pittsburgh, --	11.06	2.90	2.65
F 1480	Cottonseed meal, -----	John P. Sharpless, Avondale, --	42.25	11.63	9.60
F 1481	Beef scrap No. 1B, -----	Yardley Duck Farm, Yardley, --	47.02	10.98	0.88
F 1482	Tankage No. 2M, -----	Yardley Duck Farm, Yardley, --	30.80	10.49	6.62
F 1483	Tankage No. 3P, -----	Yardley Duck Farm, Yardley, --	33.44	21.10	2.13

OFFICIAL SAMPLES OF FEEDING STUFFS OBTAINED BY SPECIAL AGENTS.

In performing the work of regulating the sale of concentrated commercial feeding stuffs, as provided for by the feeding stuffs law, Special Agents of the Department of Agriculture were employed during the year 1912 in collecting samples. During this period 333 towns and cities in 64 counties were visited and 1,400 samples of feeding stuffs were obtained which were forwarded to the Bureau of Chemistry. All of these samples were analyzed chemically and examined microscopically.

In the following table (No. II) is shown the number of counties visited and the number of samples secured in each.

TABLE II.—COUNTIES VISITED AND NUMBER OF SAMPLES SECURED IN EACH.

Name of County.	Number of Samples.
Adams,	24
Allegheny,	80
Armstrong,	24
Beaver,	26
Bedford,	7
Berks,	15
Blair,	47
Bradford,	20
Bucks,	25
Butler,	39
Cambria,	43
Cameron,	10
Carbon,	8
Centre,	18
Chester,	36
Clarion,	10
Clearfield,	23
Clinton,	12
Columbia,	2
Crawford,	7
Cumberland,	27
Dauphin,	16
Delaware,	10
Elk,	12
Erie,	33
Fayette,	52
Forest,	3
Franklin,	23
Greene,	2
Huntingdon,	13
Indiana,	13
Jefferson,	26
Juniata,	4
Lackawanna,	24
Lancaster,	72
Lawrence,	16
Lebanon,	34
Lehigh,	13

TABLE II.—Concluded.

Name of County.	Number of Samples.
Luzerne, -----	39
Lycoming, -----	24
McKean, -----	24
Mercer, -----	11
Mifflin, -----	14
Monroe, -----	8
Montgomery, -----	64
Montour, -----	8
Northampton, -----	10
Northumberland, -----	26
Perry, -----	11
Philadelphia, -----	13
Potter, -----	8
Schuylkill, -----	7
Snyder, -----	1
Somerset, -----	25
Sullivan, -----	4
Susquehanna, -----	11
Tioga, -----	35
Union, -----	10
Venango, -----	18
Warren, -----	11
Washington, -----	50
Westmoreland, -----	72
Wyoming, -----	11
York, -----	46
Total, -----	1,400

The number of samples of feeding stuffs of each class or group received and analyzed is shown in the following table. (No. III.)

TABLE III—CLASSIFICATION OF SAMPLES ANALYZED.

Name of Feeding Stuff.	Number of Samples.
Cottonseed meal, -----	37
Linseed meal, N. P., -----	10
Linseed meal, O. P., -----	61
Linseed meal with admixtures, -----	5
Corn oil meal, -----	1
Distillers' dried grains, -----	24
Brewers' dried grains, -----	25
Malt sprouts, -----	5
Gluten feed, -----	53
Gluten meal, -----	1
Hominy feed, -----	39
Corn bran, -----	15
Corn feed meal, -----	2
Corn flour, -----	1
Low grade flour, -----	10
Wheat middlings, -----	93
Wheat middlings with admixtures, -----	13
Mixed feed—wheat by-products, -----	5
Wheat bran, -----	86
Rye middlings, -----	4
Mixed feed—rye by-products, -----	2
Wheat and rye offals, -----	6
Oat by-products, -----	1

TABLE III.—Concluded.

Name of County.	Number of Samples.
Buckwheat middlings, -----	5
Buckwheat feed, -----	5
Alfalfa meal, -----	16
Beet pulp, -----	17
Proprietary dairy and stock feeds, -----	301
Proprietary horse and mule feeds, -----	80
Calf meals, -----	16
Miscellaneous feeds, -----	22
Miscellaneous chop feeds, -----	142
Proprietary poultry foods, -----	222
Animal by-products, -----	10
Condimental stock and poultry foods, -----	14
Total, -----	1,400

GUARANTEES AND DEFICIENCIES.

The following table (No. IV) has been prepared to show the number of samples guaranteed for crude protein and crude fat in each group of feeds as classified in the preceding table, the number of samples found deficient in both crude protein and crude fat, in crude protein alone, and in crude fat alone.

In estimating these deficiencies only those cases were noted where the crude protein was 1.00 per cent. or more below and the crude fat one-half of 1.00 per cent. or more below the guarantees. Of the 1400 samples analyzed 1233 were guaranteed. Of this number 7, or 0.56 per cent. were deficient in both crude protein and crude fat. 51, or 4.13 per cent. were deficient in crude protein alone and 27, or 2.18 per cent. were deficient in crude fat alone. The total number of samples found to be deficient in crude protein was 58, or 4.70 per cent. and the total number deficient in crude fat was 34, or 2.75 per cent.

Compared with the results of former years the deficiencies herein reported are less in number than ever before noted. These figures prove conclusively the beneficial results of the enforcement of the feeding stuffs law and also that the feeds are more truly guaranteed and properly labeled than has ever been the case in the history of feeding stuffs inspection work. It should also be reported in justice to the Manufacturers that in a great many cases the guarantees were exceeded.

It will be noted from the table that the greatest number of deficiencies were detected in the Cotton Seed Meals and Proprietary Dairy and Stock Feeds. In many cases, such as the Wheat and Rye Middlings and Brans, and whole Grain Chop and Poultry Feeds, where not required, guarantees were given and except in a few cases were maintained.

TABLE IV.— SUMMARY OF DEFICIENCIES IN 1912.

Name of Feeding Stuffs.	Number of samples analyzed.	Number of samples guaranteed.	Deficient in protein and fat.	Deficient in protein alone.	Deficient in fat alone.
Cottonseed meal, -----	87	87		16	-----
Linseed meal, N. P., -----	10	10			-----
Linseed meal, O. P., -----	61	61			1
Linseed meal with admixture, -----	5	5			-----
Corn oil meal, -----	1				-----
Distillers' grains, -----	24	24		1	-----
Brewers' grains, -----	25	25		1	-----
Malt sprouts, -----	5	5			-----
Gluten feed, -----	53	51		1	-----
Gluten meal, -----	1	1			-----
Hominy feed, -----	39	39			3
Corn bran, -----	15	15	1		-----
Corn feed meal, -----	2				-----
Corn flour, -----	1	1			-----
Low grade flour, -----	10	7			-----
Wheat middlings, -----	93	56			4
Wheat middlings with admixtures, -----	13	13			-----
Mixed feed—wheat by-products, -----	5	4			-----
Wheat bran, -----	86	54	1	1	-----
Rye middlings, -----	4	3			-----
Mixed feed—rye by-products, -----	2	1			-----
Wheat and rye offals, -----	6	6			-----
Oat by-products, -----	1				-----
Buckwheat middlings, -----	5				-----
Buckwheat feed, -----	5	3	1	1	-----
Alfalfa meal, -----	16	14			-----
Beet pulp, -----	17	17			-----
Proprietary dairy and stock feeds, -----	301	300	1	16	4
Proprietary horse and mule feeds, -----	80	80		2	1
Calf meals, -----	16	16		1	2
Miscellaneous feeds, -----	22	15			1
Miscellaneous chop feeds, -----	143	99	1	5	2
Proprietary poultry foods, -----	222	193	2	6	8
Animal by-products, -----	10	10			-----
Condimental stock and poultry foods, -----	14	12			1
Total, -----	1,400	1,233	7	51	27

The following table (No. V) gives a comparison of the deficiencies observed during 1912 and the six years preceding. These deficiencies are reported on the percentage basis and all were estimated in the same manner. It will be noted there has been a marked decrease year after year in the deficiencies observed, which denotes an improvement in stating the proper guarantees for crude protein and crude fat. This condition is undoubtedly due to a better understanding of the feeding stuffs law and an effort on the part of manufac-

turers to guarantee their products as near as possible to the amount which would be found upon analysis. There is still some improvement to be looked for, however, in cases where guarantees are given ranging several per cent. from the higher to the lower guarantee, as in many of these cases the higher guarantee is not an indication of the amount of crude protein or crude fat which may be expected to be found present upon analysis.

TABLE V.—DECREASE OF DEFICIENCIES.

	1906.	1907.	1908.	1909.	1910.	1911.	1912.
	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.
Deficient in protein and fat, -----	15.66	3.90	2.31	1.61	1.37	0.70	0.56
Deficient in protein alone, -----	32.37	11.95	8.00	3.70	6.69	5.40	4.13
Deficient in fat alone, -----	1.43	6.25	4.74	3.88	2.50	3.95	2.18
Total deficient in protein, -----	46.00	15.00	10.33	5.31	8.06	6.10	4.70
Total deficient in fat, -----	15.00	10.00	7.06	5.50	3.87	3.75	2.75

AVERAGE ANALYSIS AND RETAIL PRICE

The average analysis and retail price of the feeding stuffs examined have been tabulated in the following table (No. VI) according to their content of crude protein and will be of interest to those who wish to estimate the value of feeds carrying a high percentage of crude protein as compared with those feeds which are low in this constituent and which contain a greater proportion of carbohydrates. They are arranged in groups according to Jordan and Jenter, and the figures reported are the averages of two or more of the same class or brand of feeding stuffs.

TABLE VI.—AVERAGE ANALYSIS AND RETAIL PRICE.

Name of Feeding Stuff.	Crude protein.	Crude fat.	Crude fiber.	Price per ten.
Class 1 (30 Per Cent.—45 Per Cent. Protein).				
Cottonseed meal, -----	40.87	8.14	9.13	\$34 23
Gluten meal, -----	40.75	4.55	2.10	40 00
Linseed meal, N. P., -----	37.98	2.98	8.82	40 70
Linseed meal, O. P., -----	35.00	6.87	8.35	44 07
Distillers' grains (largely from corn), -----	31.11	13.68	10.63	34 03
Class 2 (20 Per Cent.—30 Per Cent. Protein).				
Unicorn Dairy Ration, -----	27.31	6.71	8.89	34 40
Brewers' grains, -----	26.90	7.38	14.47	28 08
International Grofast Calf Meal, -----	26.85	6.39	8.10	72 60

TABLE VI.—Continued.

Name of Feeding Stuff.	Crude protein.	Crude fat.	Crude fiber.	Price per ton.
	Per ct.	Per ct.	Per ct.	
Laxo Cake Meal, -----	26.81	8.55	9.89	\$41 40
Buckwheat middlings, -----	26.49	6.29	6.25	26 80
Malt sprouts, -----	26.14	2.45	12.70	27 82
Gluten feed, -----	25.85	3.92	6.62	31 80
Cremo Brand Cottonseed Feed Meal, -----	25.41	5.43	19.13	35 00
Blue Ribbon Dairy Feed, -----	25.14	5.46	10.55	33 18
Ubiko Union Grains, -----	25.67	8.00	9.09	34 89
Blatchford's Calf Meal, -----	25.06	5.19	6.57	71 60
Cremo Brand Cottonseed Feed, -----	23.48	4.93	21.37	29 67
Royal feed, -----	22.00	4.40	23.80	30 00
Spratt's Patent Chick Meal No. 5, -----	21.27	3.13	1.12	106 60
Best Mixed Feed for Cows, -----	21.03	5.47	6.61	34 50
Class 3 (14 Per Cent.—20 Per Cent. Protein).				
Boveta Brand Cottonseed Hull and Meal Mixture, -----	19.51	3.73	26.72	25 17
Dry Mash (The P. & P. Co.), -----	19.32	4.47	8.12	51 80
Ubiko Horse and Stock Feed, -----	19.24	7.24	8.37	34 60
Sehumaeher Calf Meal, -----	19.13	7.85	2.67	68 60
Purina Chicken Chowder Feed, -----	18.97	4.53	7.59	49 40
Buckwheat feed (middlings with hulls), -----	18.15	4.24	20.76	25 60
Sugarine Dairy Feed, -----	17.82	4.93	10.84	16 75
Hammond Dairy Feed, -----	17.78	5.01	11.03	27 15
Wheat middlings, -----	17.66	5.00	5.18	32 77
Low grade flour, -----	17.58	4.20	2.51	37 30
Suerene Dairy Feed, -----	17.52	5.17	11.12	28 07
Distillers' grains (largely from rye), -----	17.44	8.31	11.89	27 00
Rye middlings, -----	17.28	3.55	4.62	31 38
Badger Dairy Feed, -----	17.24	3.04	12.96	27 53
Buckeye Mixed Feed, -----	17.11	5.15	8.36	30 60
Sugarota Dairy Feed, -----	16.71	5.06	12.78	26 88
Mixed feed—wheat by-products, -----	16.71	4.70	7.58	30 40
Corn oil meal, -----	16.69	3.88	4.60	-----
Daisy Dairy Feed, -----	16.67	4.61	16.27	28 40
Wheat bran, -----	16.45	4.91	9.27	29 59
Quaker Molasses Dairy Feed, -----	16.45	5.10	15.43	27 60
Mixed feed—rye by-products, -----	16.38	3.27	3.47	30.00
"Ko-Bos" Dairy Feed, -----	16.31	3.32	25.99	26 00
Red Comb Meat Mash, -----	16.10	4.25	7.29	45 20
Blank & Gottshall Mash Feed, -----	16.07	4.02	5.35	50 00
Quaker Dairy Molasses Feed, -----	15.85	4.91	14.95	27 67
Camp's No. 2 White Middlings and Corn Meal, -----	15.42	4.95	4.37	35 00
Gritless Chick Feed (The P. & P. Co.), -----	15.35	4.25	2.66	52 60
Alfalfa meal, -----	15.22	2.69	28.75	33 44
Holstein Sugar Feed, -----	15.12	4.84	9.10	27 50
Growing Feed (The P. & P. Co.), -----	15.10	4.18	7.22	57 00
International Special Molasses Feed, -----	15.07	5.78	12.42	29 25
Pratt's Baby Chick Food, -----	15.07	5.52	2.20	183 40
Gem middlings, -----	14.76	5.68	3.47	36 00
Horse chop, -----	14.00	5.43	5.22	36 00
Class 4 (8 Per Cent.—14 Per Cent. Protein).				
International Horse Feed, -----	13.85	4.37	11.02	33 00
Chick Manna, -----	13.79	3.74	2.37	200 00
Purity Poultry Mash, -----	13.75	4.96	7.52	44 50
Padger Paney Middlings, -----	13.25	5.59	4.14	33 40
Colonial Choice Middlings, -----	13.25	3.18	5.90	33 00
Aema Horse Chop, -----	13.25	5.30	4.65	35 00
Ameriean Poultry Feed, -----	13.16	5.13	5.17	40 00
Alfalfa House Feed, -----	12.35	4.65	5.51	37 00
Mothers Hen Feed, -----	12.28	4.48	2.62	46 00
Suerene Alfalfa Horse and Mule Feed, -----	12.23	3.53	10.94	34 50
Mihinico Stock Feed, -----	12.06	4.59	6.96	37 67
Green Meadow Dairy Feed, -----	12.03	1.48	15.31	28 88
Sehumaeher Scratching Grains, -----	12.02	3.77	2.70	44 80
Suerene Horse and Mule Feed, -----	11.95	4.22	8.15	30 30
Mother's Chick Feed, -----	11.94	3.67	2.66	51 60
Anco Hen Feed, -----	11.91	3.85	2.91	41 00
Queen Poultry Mash, -----	11.88	3.80	7.70	40 60
Chicago Alfalfa Horse and Mule Feed, -----	11.83	2.90	11.42	33 40

TABLE VI.—Concluded.

Name of Feeding Stuff.	Crude protein.	Crude fat.	Crude fiber.	Price per ton.
	Per ct.	Per ct.	Per ct.	
Chicken Feed, Scratch Size, -----	11.78	3.64	2.53	\$43 80
Best Mixed Feed for Horses, -----	11.69	5.12	4.76	32 50
Sterling Stock Feed, -----	11.67	4.60	9.90	32 67
Scratch Feed (The P. & P. Co.), -----	11.46	3.71	3.26	46 60
C. O. and B. Feed, -----	11.40	4.16	9.32	33 20
Schumacher Stock Feed, -----	11.40	4.31	9.66	33 14
Chicken Feed, Chick Size, -----	11.33	3.71	2.64	48 20
J. W. Eschelman's Hen Feed, -----	11.29	3.75	2.73	60 00
"Jersey Cow" Feed, -----	11.25	2.19	30.91	21 00
Badger Alfalfa Horse and Mule Feed, -----	11.15	2.66	8.62	33 67
Hominy feed, -----	11.15	7.41	3.81	32 71
J. W. Eschelman's Chick Feed, -----	11.14	4.29	3.08	46 60
Harteno Horse and Cattle Food, -----	11.00	4.26	6.02	40 20
Perfection Horse Feed, -----	10.99	3.09	8.25	35 40
Red Comb Poultry Feed, no Grit, -----	10.94	3.17	2.70	45 00
Diamond Scratch Feed, no Grit, -----	10.94	3.45	2.70	41 60
Corn, oats and rye chops, -----	10.93	3.65	4.54	35 60
Peters' Arab Horse Feed, -----	10.75	2.71	8.63	34.79
John-Hen Poultry Feed, -----	10.66	3.20	2.67	36 50
Green Cross Horse Feed, -----	10.56	3.75	8.46	34 00
Corn bran, -----	10.41	8.79	8.91	30 87
My Best Horse Feed, -----	10.32	2.95	7.75	26 00
Corn and oat chops, -----	10.31	4.41	3.76	34 61
Best Mixed Grain for Chickens (C. P. M. & Sons, Inc.), -----	10.29	3.09	2.93	39 00
Cream Alfalfa Dairy Feed, -----	10.22	3.12	7.98	31 67
Mixed Chops (M. M. L.), -----	10.22	4.13	4.33	34 60
Purina Molasses Feed, -----	9.94	2.99	8.91	35 80
Kornfalfa Kandy Feed, -----	9.87	2.58	10.82	33 00
Boss Feed, -----	9.61	4.86	8.76	31 71
M. D. Chop Feed (The T. G. & M. Co.), -----	9.48	4.04	6.53	32 40
Emporium Feed, -----	9.44	4.64	8.51	22 00
Chiegan Feed (C. P. M. & Sons, Inc.), -----	9.44	3.73	3.57	37 00
Dried beet pulp, -----	9.43	1.27	18.11	27 88
Corn, oat and barley chops, -----	9.35	3.22	3.65	36 69
Mixed Chicken Feed (M. H. M. Co.), -----	9.35	3.27	3.07	33 50
Victor Feed, -----	9.32	4.98	8.75	32 80
White Diamond Feed, -----	9.25	4.87	7.87	32 80
Hammond Stock Feed, -----	9.22	3.16	11.93	31 00
Pioneer Stock Feed, -----	9.12	4.51	9.15	34 44
Corn Chops, -----	8.97	3.99	4.25	32 00
Pioneer Horse and Cattle Feed, -----	8.90	3.53	6.79	34 60
Premium Chop, -----	8.78	3.66	8.55	32 71
Corn, Oats and Barley Chop (The I. G. & M. Co.), -----	8.71	4.00	10.37	34 33
Corn and Oats Chop (P. C. Co.), -----	8.71	4.53	8.70	34 20
Camp's C. O. & B. Chop Feed, -----	8.70	4.01	6.63	34 00
Camp's Keystone Chop Feed, -----	8.69	3.71	5.50	35 00
Acme Chop Feed, -----	8.69	4.10	10.57	34 00
Little Wonder Chop Feed, -----	8.57	3.96	6.77	31 60
Imperial Feed Meal, -----	8.50	3.89	7.68	30 60
Camp's M. D. Chop Feed, -----	8.46	3.77	7.09	31 70
Corn feed meal, -----	8.41	2.73	1.10	33 60
C. O. & B. Chop Feed (The G. E. Co.), -----	8.28	3.69	9.12	33 80
Maizo Red Dog Flour, -----	8.25	4.00	1.52	33 00
Class 5 (5 Per Cent.—8 Per Cent. Protein).				
Purity Redground Oat Hulls, -----	7.50	5.00	24.05	25 00
Animal By-Product.				
Swift's Special Meat Scraps, -----	60.47	11.51	1.96	61 00

ENERGY VALUES IN ESTIMATING RATIONS.

In a number of former reports information has been included in regard to "balanced rations" for feeding purposes and tables have been inserted giving the average composition of a number of feeding stuffs together with their coefficients of digestibility for crude protein, crude fat, crude fiber and nitrogen free extract. A few examples were also given in an attempt to illustrate the method of estimating the so called nutritive ratios for the proper balancing of rations. A great deal of work has been done and a greater many feeding experiments have been made, the results of which have given us a better understanding of the problems of feeding domestic animals. We have become familiar with the terms "balanced rations," "digestible protein," "digestible fat" and "digestible carbohydrates." We have learned that it is necessary in profitable feeding to pay attention to the feed requirements and to the fact that certain feeds or rations have more or less feeding values according to their digestibility rather than to the total nutrients determined by chemical analysis. Exhaustive digestion experiments are still being made and a great deal of information is being obtained in an effort to determine the true requirements and proper rations to be used in feeding. The published results of these experiments are, as a rule, too scientific for the average feeder to thoroughly understand, for the reason that new and unfamiliar terms are used. As the study of this problem advances some of the familiar terms and theories are replaced by new terms and theories and so it has come about that the terms "energy" and "therms" are being used by those experts who are studying this problem and making digestion experiments with certain of the well known feeds.

It is claimed "feeding experiments show that rations computed according to the net energy standards much more accurately meet the needs of the animal * * * than do those computed according to the digestible nutrient standard." Having arrived at this conclusion the experts are trying to teach us how to prepare rations on this basis and by the use of terms of "energy" and "therms" instead of by the well known method where the terms of "nutritive ratio" and "digestible nutrients" are used.

It seems proper, therefore, to endeavor to illustrate in this report how rations are computed on the basis of "therms" or "energy" and "digestible protein" in order that those who are using our reports for estimating rations may become more familiar with the new terms.

For the purpose of illustration, the requirements of the dairy cow will be considered and the two tables given have been taken from Farmers Bulletin No. 346 of the U. S. Department of Agriculture published by Dr. Henry P. Armsby, Director of the Institute of Animal Nutrition of the Pennsylvania State College, and Bulletin No. 114 by Prof. H. E. Van Norman of the Pennsylvania State College, Agricultural Experiment Station. Professors Armsby and Van Norman are experts in this line of work and are endeavoring to teach the dairymen and stock breeders the value of computing rations for farm animals by the use of energy values. Bulletins and information can be had on this subject by application to the Department of Dairy Husbandry, State College, Pa.

For practical purposes it is unnecessary to know the scientific meaning of "energy value" or "therms," as it is unnecessary to know the definition and nature of "crude protein," "nitrogen free extract" or "carbohydrates." In computing rations on the basis of "energy values" it is necessary to keep in mind the terms "energy," "therms" and "digestible protein" and to refer to two tables. One which gives the amount of therms of energy and pounds of digestible protein required, for maintenance and production, by an animal, and the other which shows the amount of therms of energy and digestible protein present in feeding stuffs, where these values have been determined. The amount of digestible protein is given in pounds per 100 and the "energy" values of the feeds are given in "therms" per 100 pounds, which in both cases is as will be readily understood, the percentage of pounds of digestible protein and therms of energy in the different feeding stuffs. Energy means that power in a feed which will do work or carry on the work required to digest food, maintain life, produce milk, etc., and is measured in therms which is a word used to designate units of heat.

The following table (No. VII) gives the number of pounds of digestible protein and therms of energy for cows of different weights, required to sustain life or for "maintenance," and the number of pounds of digestible protein and therms of energy required, in addition to that required for maintenance, to produce from one to thirty pounds of milk containing 3%, 4% and 5% of butter fat.

TABLE VII.—DAILY REQUIREMENTS.

Required for Main- tenance.			Required for Milk Production in Addition to That for Maintenance.							
Cow weighing.	Pounds digestible pro- tein.	Therms energy.		3% Milk.		4% Milk.		5% Milk.		
				Pounds protein.	Therms energy.	Pounds protein.	Therms energy.	Pounds protein.	Therms energy.	
250 lbs.	.20	2.40	For 1 lb. milk, -----	.045	.22	.05	.30	.055	.39	
500 lbs.	.30	3.89	For 10 lbs. milk, -----	.450	2.20	.50	3.00	.550	3.90	
750 lbs.	.40	4.95	For 15 lbs. milk, -----	.675	3.20	.75	4.50	.825	5.58	
1000 lbs.	.50	6.00	For 20 lbs. milk, -----	.900	4.40	1.00	6.00	1.100	7.80	
1250 lbs.	.60	7.00	For 25 lbs. milk, -----	1.125	5.50	1.25	7.50	1.375	9.70	
1500 lbs.	.65	7.90	For 30 lbs. milk, -----	1.350	6.60	1.50	9.90	1.650	11.70	

In the next table (No. VIII) will be found a list of feeding stuffs with their energy values in therms, the amount of digestible protein in pounds, and the number of pounds of dry matter in each 100 pounds. They have been arranged for comparison according to their energy values, the feed possessing the highest value being placed first.

TABLE VIII.—ENERGY VALUES, DIGESTIBLE PROTEIN AND DRY MATTER IN 100 POUNDS OF FEEDING STUFFS.*

	Energy values.	Digestible protein.	Dry matter.
	Therms.	Lbs.	Lbs.
Corn,	88.84	6.79	89.1
Gluten Meal, Buffalo,	88.80	21.56	91.8
Cottonseed Meal,	84.20	35.15	91.8
Hominy Feed,	81.00	7.00	88.9
Wheat,	82.63	8.90	89.5
Rye,	81.72	8.12	88.4
Barley,	80.75	8.37	89.1
Gluten Feed,	79.32	19.95	91.9
Distillers' Dried Grains (largely from corn),	79.23	21.93	93.0
Linseed Meal, old process,	78.92	27.54	90.8
Gluten Meal, Chicago,	78.49	33.09	90.5
Wheat Middlings,	77.65	12.79	84.0
Buckwheat Middlings,	75.92	22.34	88.2
Linseed meal, new process,	74.67	29.26	90.1
Corn and Cob Meal,	72.05	4.53	84.9
Pea Meal,	71.75	16.77	89.5
Oats (ground),	66.27	8.36	89.0
Distillers' Dried Grains (largely from rye),	60.93	10.38	93.2
Dried Beet, pulp,	60.10	6.80	93.6
Brewers' Dried Grains,	60.01	19.04	92.0
Rye Bran,	56.65	11.35	88.2
Wheat Bran,	48.23	10.21	88.1
Malt Sprouts,	46.33	12.36	89.8
Red Clover Hay,	34.74	5.41	84.7
Alfalfa Hay (meal),	34.41	6.93	91.6
Timothy Hay,	33.56	2.05	86.8
Corn Forage, field cured,	30.53	2.13	57.8
Corn Stover,	26.53	1.80	59.5
Oat straw,	21.21	1.09	90.8
Rye Straw,	20.87	0.63	92.9
Timothy Hay (green),	19.08	1.04	38.4
Corn Silage (green),	16.56	1.21	25.6
Red Clover (green),	16.17	2.21	29.2
Brewers' Grains (wet),	14.82	3.81	24.3
Hungarian Grass (green),	14.76	1.33	28.9
Alfalfa (green),	12.45	2.50	28.2
Corn Fodder (green),	12.44	0.41	20.7
Rye Grass (green),	11.63	1.44	23.4
Rape (green),	11.43	2.16	14.3
Crimson Clover (green),	11.30	2.19	19.1

*From tables in Farmers Bulletin, U. S. Department of Agriculture No. 346, and Bulletin No. 114, Pennsylvania State College Agricultural Experiment Station.

In estimating a ration the following facts must be considered:

1. Amount of protein (in pounds) and energy (in therms) required to maintain a certain weight cow.

2. Amount of protein and energy required for milk production in addition to that required for maintenance.

3. About 1 lb. of grain feed or mixture should be fed to each 3 or 4 pounds of milk produced, with a medium of 1 pound of grain to each $3\frac{1}{2}$ pounds of milk.

4. Enough roughage should be fed in addition to the grain mixture, to furnish the required amount of protein and energy, not furnished by the grain mixture.

EXAMPLE SHOWING METHOD OF ESTIMATING A RATION BY USE OF ENERGY AND DIGESTIBLE PROTEIN.

Suppose it is decided to estimate a daily ration for a cow weighing 1000 lbs. and producing 20 lbs. of milk containing 4% of butter fat and that we are to use as a roughage 30 lbs. of timothy hay and for a grain mixture 150 lbs. of wheat bran, 100 lbs. gluten feed, 100 lbs. corn meal and 50 lbs. of cottonseed meal.

The total energy and digestible protein required (Note Table No. VII) would be as follows:

Required for Maintenance.		For 20 lbs. 4% milk.	Total required.
Protein (pounds) .50 plus, -----		1.00	= 1.50 lbs.
Energy (therms), 6.00 plus, -----		6.00	= 12.00 therms.
Total protein required per day, -----		1.50	lbs.
Total energy required per day, -----		12.00	therms.

By referring to Table No. VIII the amount of protein and energy for each ingredient is found. For wheat bran 50 lbs. in addition to the 100 lb figures (given in each case) are taken and $\frac{1}{2}$ of the amounts listed for cottonseed meal, as follows:—

Grain Mixture.		Pounds protein.	Therms energy.
150 lbs. wheat bran, -----		15.42	72.35
100 lbs. gluten feed, -----		19.95	79.32
100 lbs. corn meal, -----		6.75	88.84
50 lbs. cottonseed meal, -----		17.58	42.10
400 lbs. mixture, -----		59.70	282.61

Dividing 59.70 lbs. protein and 282.61 therms of energy by 400 (the total weight of mixture) gives in 1 lb. of the mixture the following:

.149 lbs. protein and .706 therms energy.

One pound of this mixture should be fed for every $3\frac{1}{2}$ lbs. of milk produced.

$20 \div \text{by } 3\frac{1}{2} = 5.7$ lbs. mixture to be fed.

The amount of protein and energy in 1 lb. of mixture, as estimated above, multiplied by 5.7 lbs. gives the amount in the grain to be used, as follows:

.149 lbs. protein (in 1 lb.) X 5.7 lbs., mixture, ----- = .85 lbs.
 .706 therms energy (in 1 lb.) X 5.7 lbs., mixture, ----- = 4.02 therms.

The amount of protein and energy in 30 lbs. of timothy hay is estimated and added to the protein and energy in 5.7 lbs. of the grain mixture which will give the total amounts in the daily ration, as follows:

Grain and Roughage Mixture.	Protein.	Energy.
5.7 lbs. of grain mixture, = -----	.85 lbs.	4.02 therms.
30.0 lbs. of timothy hay, = -----	.62 lbs.	10.06 therms.
Total, -----	1.47 lbs.	14.08 therms.

These totals, it will be noted, are quite close to the theoretical amounts required in Table VII of 1.50 lbs. protein and 12.00 therms of energy. The figures in each case can be lowered or raised so that the totals will more closely agree with the standards, by varying the amounts of the ingredients used. Practical experience in feeding is necessary in order to judge the nature of the grain mixture and roughage which are to be used and it is also necessary to consider the current prices and the availability of, or amount of, home grown products on hand.

DISCUSSION OF THE ANALYTICAL RESULTS.

Under the classes or groups of feeding stuffs as classified in Table III a discussion of the results of the inspection work follows, which includes remarks in regard to the ingredients used, the character of the samples submitted, the average analyses and the lowest and

highest percentages of crude protein, crude fat and crude fiber found in certain classes, together with the brand names of the proprietary feeds received. In the large table (No. IX) will be found the results of the chemical analyses and microscopical examinations, and the guaranteed analyses and the list of ingredients which were found upon sacks or attached cards.

OIL CAKE MEALS.

COTTENSEED MEAL.

Analyses on Pages 48 to 57.

Eighty-seven samples of cottonseed meal were obtained, all of which were found to be guaranteed. Sixty-one of these were guaranteed to contain 41.00 per cent. of crude protein; twenty-five were guaranteed 38.00 per cent. or 38.62 per cent. of crude protein and one minimum guarantee of 35.00 per cent. was found. Of the total number examined 16 were found upon analysis to contain 1 per cent. or more less crude protein than claimed. Many guarantees ranging several per cent. from a minimum to a maximum were given on sacks or attached cards. This method of stating guarantees judging from our results, in misleading, as in only three of these cases did the amount determined reach the higher figure. In some cases the lower guarantees were not reached. The sample referred to as being guaranteed 35.00 per cent. was more in the nature of a cottonseed feed, as it contained an excessive amount of cottonseed hulls. In a few samples the crude fiber was considerably in excess of the normal amount usually found in a high grade cottonseed meal showing the presence of an excess of hulls. The results of analyses showed the crude protein to run from 37.00 per cent. to 44.44 per cent. with an average of 40.87 per cent. The crude fat ranged from 6.50 per cent to 11.50 per cent. with an average of 8.14 per cent. and the crude fiber ranged from 4.57 per cent. to 12.20 per cent. with an average of 9.13 per cent. The low grade cottonseed meal referred to was excluded from the above results and was found to contain 35.56 per cent. of crude protein, 5.68 per cent. of crude fat and 13.43 per cent. of crude fiber.

A few cases were observed where the sacks did not contain the full weight as advertised. Purchasers of cottonseed meal are cautioned to make sure all of the sacks they receive contain the full amount of meal as claimed.

In an effort to obtain information which would assist in establishing a standard for crude fiber in cottonseed meal, comparisons of the results obtained during the year have been made. Sixty-one

samples were found guaranteed to contain 41.00 per cent. of crude protein, and 25 were guaranteed 38.00 per cent. of crude protein or slightly in excess of this amount. The average content of crude fiber in the 41.00 per cent. meals was found to be 8.72 per cent. and the average crude fiber in the 25 meals having the lower protein guarantee was 10.15 per cent. These results are of interest for the reason that the crude fiber in cottonseed meals is restricted by our law to 9.00 per cent. It will appear from the foregoing results that this 9.00 per cent. restriction is ample enough in the case of a high grade cottonseed meal. It is also evident that as soon as hulls appear in cottonseed meal in considerable amounts the crude fiber will exceed 9.00 per cent. The average crude fiber in all the samples of cottonseed meal examined was 9.13 per cent., as above stated. In order that these results may be more readily compared, a recapitulation follows showing the average analysis of the 86 samples examined, the average analysis of the 61 samples guaranteed 41.00 per cent. crude protein and the average of the remaining samples found with a low crude protein guarantee.

Moisture.	Crude Protein.	Crude Fat.	Crude Fiber.
7.60%	40.87%	8.14%	9.13%
7.56%	41.29%	8.30%	8.72%
7.70%	39.87%	7.77%	10.15%

LINSEED MEAL.

Analyses on Pages 56 to 63.

Seventy-one samples of Linseed Meal were examined during the year, 10 of which were classed as New Process Oil Meals. All of these samples were found to be properly guaranteed, no deficiencies being observed in the New Process Oil Meals and only one deficiency in crude fat was observed in the case of the Old Process Meals. In many cases the guarantees for crude protein were exceeded by several per cent.

In the New Process Meals the crude protein ranged from 36.25 per cent. to 39.56 per cent., with an average of 37.98 per cent., the crude fat ranged from 2.10 per cent. to 4.83 per cent., with an average of 2.98 per cent. and the crude fiber varied from 7.80 per cent. to 9.52 per cent., with an average of 8.82 per cent. In no case was the crude protein and crude fat found to be less than the amounts guaranteed.

The analyses of the Old Process Meals showed the crude protein to range from 30.50 per cent. to 38.56 per cent., with an average of 35.00 per cent., the crude fat varied from 5.20 per cent. to 10.40 per cent., with an average of 6.87 per cent. and the crude fiber varied from 7.30 per cent. to 9.80 per cent., with an average of 8.35 per cent. The guarantees for crude protein in these meals ranged from 30.00 per cent. to 37.50 per cent. and in no case was the crude protein found to be less than the lower guarantee. In many cases this amount was exceeded. The quality of the seeds used varied somewhat, as in a few cases evidence of the presence of weed seeds and foreign matter was noted.

LINSEED MEAL WITH ADMIXTURES.

Analyses on Pages 62 and 63.

Five samples of feeding stuffs were received which were classed under the above heading and all were of the same brand, namely, "Laxo Cake Meal." This product is an oil meal secured from the production of oil where flax seed has been used from which the ordinary field weed seeds have not been removed. These five samples were properly guaranteed and the results of analyses showed there were no deficiencies. The crude protein ranged from 26.00 per cent. to 27.25 per cent., with an average of 26.81 per cent., the crude fat ranged from 7.60 per cent. to 9.45 per cent., with an average of 8.55 per cent. and the crude fiber ranged from 9.20 per cent. to 10.22 per cent., with an average of 9.89 per cent.

CORN OIL MEAL.

Analyses on Pages 62 and 63.

One sample of Corn Oil Meal was received which was not guaranteed as required. The analysis was found to be as follows: Crude protein 16.69 per cent., crude fat 3.88 per cent. and crude fiber 1.60 per cent.

DISTILLERY AND BREWERY BY-PRODUCTS.

DISTILLERS' GRAINS (LARGELY FROM CORN).

Analyses on Pages 62 to 67.

The number of samples of feeding stuffs classed as Distillers' Grains was 24, all of which were found to be guaranteed. Twenty-one of these were largely from corn and so classified as Corn was the predominating grain used, and three samples were Distillers' Grains largely from Rye. In the Distillers' Grains largely from Corn, the crude protein ranged from 26.44 per cent. to 33.38 per cent., with an average of 31.11 per cent., the crude fat ranged from 11.00 per cent. to 16.35 per cent., with an average of 13.68 per cent. and the crude fiber ranged from 7.50 per cent. to 12.90 per cent., with an average of 10.63 per cent. Only one sample was found to be deficient in crude protein.

In the Distillers' Grains largely from Rye it was noted that the analysis varied somewhat as the crude protein ranged from 14.63 per cent. to 20.94 per cent., with an average of 17.44 per cent., the crude fat ranged from 6.53 per cent. to 10.00 per cent., with an average of 8.31 per cent. and the crude fiber ranged from 11.27 per cent. to 12.20 per cent., with an average of 11.89 per cent. One sample was found to be slightly below the guarantee for crude protein.

BREWERS' GRAINS.

Analyses on Pages 66 to 69.

Twenty-five samples of Brewers Grains were received which upon analysis showed that the crude protein ranged from 20.31 per cent. to 32.25 per cent. with an average of 26.90 per cent., the crude fat ranged from 6.10 per cent. to 9.25 per cent., with an average of 7.38 per cent., and the crude fiber ranged from 12.15 per cent. to 18.35 per cent., with an average of 14.47 per cent. Only one deficiency was noted in crude protein. There was quite a variation in the analyses of the samples as will be noted from the highest and lowest protein contents.

MALT SPROUTS.

Analyses on Pages 68 and 69.

Of the 5 samples of Malt Sprouts analyzed, all were found to be correctly guaranteed. One sample was found to contain a large amount of unground weed seeds. This product should be free from

weed seeds, as where they are present, from all we have been able to learn, they have been introduced after the sprouts have been separated from the barley malt. The crude protein ranged from 24.56 per cent. to 30 per cent., with an average of 26.14 per cent., the crude fat ranged from 1.38 per cent. to 3.05 per cent., with an average of 2.45 per cent. and the crude fiber ranged from 11.22 per cent. to 14.00 per cent., with an average of 12.70 per cent.

MAIZE BY-PRODUCTS.

GLUTEN FEED.

Analyses on Pages 68 to 73.

The number of samples of feeding stuffs received and classified as Gluten Feed was 53, two of which were found not to be guaranteed. Only 1 sample was found to be deficient in crude protein.

Formerly a large proportion of this product has been artificially colored with an aniline dye, but this practice seems to be somewhat discontinued as only 2 samples were so colored. A new definition has been adopted for the so called Gluten Feeds by the Association of Feed Control Officials which is as follows: "Corn Starch By-Product with Corn Bran is that portion of commercial shelled corn that remains after the separation of the larger part of the starch and the germ by the processes employed in the manufacture of corn starch and glucose. It may or may not contain corn solubles." The crude protein ranged from 18.25 per cent. to 28.94 per cent., with an average of 25.85 per cent., the crude fat ranged from 2.20 per cent. to 5.95 per cent., with an average of 3.92 per cent. and the crude fiber ranged from 5.07 per cent. to 8.07 per cent., with an average of 6.62 per cent.

GLUTEN MEAL.

Analyses on Pages 72 and 73.

One sample of feeding stuffs was analyzed which was classed as Gluten Meal. This is the first sample of this product which has been found on sale in this State for sometime. The analysis was found to be as follows: crude protein 40.75 per cent., crude fat 4.55 per cent. and crude fiber 2.10 per cent. which corresponded with the guarantees given. A new definition has also been adopted for this product, namely, "Corn Starch By-Product" which differs from the so called Gluten Feeds in that it should not contain any Corn Bran and as a greater portion of the starch has been removed in the processes of the manufacture of corn starch and glucose from which it is obtained as a by-product.

HOMINY FEED.

Analyses on Pages 72 to 77.

Thirty-nine samples of Hominy Feed were analyzed, all of which were found to be guaranteed and three of which were found to be deficient in crude fat. This product is a mixture of the bran coating, the germ, and a part of the starchy portion of the corn kernel obtained in the manufacture of hominy grits for human consumption. The crude protein ranged from 9.75 per cent. to 12.63 per cent., with an average of 11.15 per cent., the crude fat ranged from 5.35 per cent. to 9.95 per cent., with an average of 7.41 per cent., and the crude fiber ranged from 1.77 per cent. to 5.80 per cent., with an average of 3.81 per cent.

CORN BRAN.

Analyses on Pages 76 to 79.

The number of samples of Corn Bran analyzed was 15, all of which were guaranteed. One sample was found to be deficient in both crude protein and crude fat, and 1 sample was found to be a mixture of Corn Bran and Corn Siftings. Under this group were classed those feeding stuffs which were labeled Corn Bran and also those which were designated on the sacks or attached cards as "Badger Cream Flakes," "Corn Bran Flakes" and "Maizelene Feed." The crude protein in these products varied from 7.38 per cent. to 12.88 per cent., with an average of 10.41 per cent., the crude fat varied from 6.08 per cent. to 12.30 per cent., with an average of 8.79 per cent., and the crude fiber varied from 6.00 per cent. to 11.85 per cent., with an average of 8.91 per cent.

CORN FEED MEAL.

Analyses on Pages 78 and 79.

Two samples classified as Corn Feed Meal were examined, the average analysis of which was as follows: Crude protein 8.41 per cent., crude fat 2.73 per cent. and crude fiber 1.10 per cent. Neither of these samples were guaranteed as required. Inasmuch as Corn Feed Meal is not the whole ground grain, the analysis should be given. The definition for this product designates it as, "The siftings obtained in the manufacture of cracked corn and table meal made from the whole grain."

CORN FLOUR.

Analyses on Pages 78 and 79.

One sample of Corn Flour was received which upon analysis was found to contain 8.25 per cent. of crude protein, 4.00 per cent. of crude fat, and 1.52 per cent. of crude fiber. This sample was guaranteed and the crude protein guarantee was slightly in excess of the amount found.

WHEAT OFFALS.

Two Hundred and seven samples of feeding stuffs classified as Wheat Offals were received during the year. Of this number 10 were Low Grade Flour Middlings, 93 were Wheat Middlings, 13 were Wheat Middlings with Admixtures, 5 were Mixed Feeds and 86 were Wheat Bran. With the exception of Wheat Middlings with Admixtures this class of feeding stuffs is not required by law to be labeled with the guaranteed analysis, however, in the majority of cases guarantees were given. Taken as a class these products are free from adulterations, and during the year no samples were found which were adulterated with ground corn cobs, as was the case early in the feeding stuffs inspection work.

LOW GRADE FLOUR.

Analyses on Pages 78 to 81.

Ten samples of Low Grade Flour Middlings were received, 7 of which were guaranteed and in these cases the guarantees were exceeded upon actual analyses. The crude protein ranged from 15.69 per cent. to 19.56 per cent., with an average of 17.58 per cent., the crude fat ranged from 3.65 per cent. to 5.15 per cent., with an average of 4.29 per cent. and the crude fiber ranged from 0.87 per cent. to 3.50 per cent., with an average of 2.51 per cent.

WHEAT MIDLINGS.

Analyses on Pages 80 to 87.

The number of samples of Wheat Middlings examined was 93, 56 being guaranteed and of this number 4 were deficient in crude fat. Under this heading were grouped all those samples which were labeled "Wheat Middlings." and "Wheat Shorts." The crude protein ranged from 13.63 per cent. to 21.06 per cent., with an average of 17.66 per cent., the crude fat ranged from 3.10 per cent. to 6.88 per cent., with an average of 5.00 per cent. and the crude fiber ranged from 2.00 per cent. to 8.10 per cent., with an average of 5.18 per cent. In the majority of cases the samples were clean and free from foreign material although in 5 samples varying amounts of chaff and unground weed seeds were found. This foreign material was undoubtedly introduced after the product had come from the mills, as the weed seeds were in an unground condition.

WHEAT MIDLINGS WITH ADMIXTURES.

Analyses on Pages 86 to 89.

Thirteen samples of Wheat Middlings with Admixture's were examined, all of which were found to be guaranteed and in which no deficiencies were observed. The admixtures used were as follows;

Reddog Flour, Maizo Reddog Flour (from Corn), Hominy Feed, Corn Middlings and Corn Meal. Four brands were represented as follows: Gem Middlings, Badger Fancy Middlings, Colonial Choice Middlings and Camp's No. 2 White Middlings and Corn Meal.

MIXED FEED—WHEAT BY-PRODUCTS.

Analyses on Pages 88 and 89.

The number of samples received grouped under this heading was 5, 4 of which were labeled with the guaranteed analysis. In the case of those samples guaranteed no deficiencies were detected and all were in a good clean condition being free from foreign material. The crude protein ranged from 15.56 per cent. to 17.56 per cent., with an average of 16.71 per cent., the crude fat ranged from 4.50 per cent. to 5.25 per cent., with an average of 4.70 per cent. and the crude fiber ranged from 6.82 per cent. to 8.20 per cent., with an average of 7.58 per cent.

WHEAT BRAN.

Analyses on Pages 88 to 95.

The number of samples of Wheat Bran analyzed was 86, 54 being guaranteed. One sample was found to be deficient in both crude protein and crude fat, and one was deficient in crude protein alone in cases where the guarantees were given. The crude protein ranged from 12.50 per cent. to 18.44 per cent., with an average of 16.45 per cent., the crude fat ranged from 4.05 per cent. to 6.40 per cent., with an average of 4.91 per cent. and the crude fiber ranged from 7.42 per cent. to 11.50 per cent., with an average of 9.27 per cent.

RYE OFFALS.

Analyses on Pages 96 and 97.

Six samples of feeding stuffs classified as Rye Offals were obtained, 4 being grouped as Rye Middlings and 2 as Mixed Feed Rye By-Products. Three of the Middlings were guaranteed, no deficiencies being observed and one of the Mixed Feeds was found to be correctly guaranteed. All of these samples were clean and free from foreign material.

In the Middlings the crude protein ranged from 16.00 per cent. to 18.22 per cent., with an average of 17.28 per cent., the crude fat ranged from 3.32 per cent. to 3.75 per cent., with an average of 3.55 per cent., and the crude fiber ranged from 4.20 per cent. to 5.00 per cent. with an average of 4.62 per cent.

The average analysis of the Rye Mixed Feeds was as follows: Crude protein 16.38 per cent., crude fat 3.27 per cent and crude fiber 3.47 per cent.

WHEAT AND RYE OFFALS.

Analyses on Pages 96 and 97.

Six samples being Mixtures of Wheat and Rye Offals were received and analyzed. All were properly guaranteed, no deficiencies being observed.

OAT BY-PRODUCTS.

Analyses on Pages 96 and 97.

One sample of Oat By-Product was received which was labeled "Purity Reground Oat Hulls." This product was properly guaranteed, the analysis being as follows: crude protein 7.50 per cent., crude fat 5.00 per cent. and crude fiber 24.05 per cent.

BUCKWHEAT OFFALS.

Analyses on Pages 96 to 99.

Ten samples of feeding stuffs were analyzed which were found to be Buckwheat Offals, 5 of these being classified as Buckwheat Middlings and the remaining 5 being classified as Buckwheat Feed. The Middlings were not guaranteed and three of the Feeds were labeled with the analysis. The Buckwheat Middlings upon analysis showed that the crude protein ranged from 19.38 per cent. to 32.69 per cent., with an average of 26.49 per cent., the crude fat ranged from 4.75 per cent. to 7.60 per cent., with an average of 6.29 per cent. and the crude fiber ranged from 3.75 per cent. to 10.05 per cent., with an average of 6.25 per cent.

In the Buckwheat Feeds one sample was found to be deficient in crude protein alone, and one in both crude protein and crude fat. These samples were mixtures of Middlings with varying amounts of hulls and were classified as Feeds from their general appearance as well as from the analysis. The crude protein ranged from 14.06 per cent. to 22.81 per cent., with an average of 18.15 per cent., the crude fat ranged from 3.25 per cent. to 5.83 per cent., with an average of 4.24 per cent. and the crude fiber ranged from 16.82 per cent. to 23.50 per cent., with an average of 20.76 per cent.

ALFALFA MEAL.

Analyses on Pages 98 and 99.

The number of samples received of Alfalfa Meal was 16, 2 of which were not properly guaranteed as required. One sample contained a large amount of pepper grass seed, and upon analysis was found to vary considerably from the analysis guaranteed, which probably was caused by the presence of the foreign seeds. In estimating the average analysis of the Alfalfa Meals the results obtained on this sample were omitted. With this exception all the

samples were of a good quality. In three cases the guarantees for crude fiber were too low, as the amount found was in excess of the figures given although the Meal was of a good average quality. The crude protein varied from 12.25 per cent. to 18.07 per cent., with an average of 14.78 per cent., the crude fat varied from 1.53 per cent. to 4.75 per cent. and the crude fiber varied from 26.25 per cent. to 34.67 per cent., with an average of 29.76 per cent. In the sample referred to and excluded from the average, the analysis was as follows: crude protein 21.81 per cent. crude fat 4.75 per cent. and crude fiber 13.60 per cent.

BEET PULP.

Analyses on Pages 98 to 101.

Seventeen samples of Beet Pulp were received and analyzed, all of which were guaranteed. No deficiencies were observed. Sixteen of these samples were of the same brand and were residues of sugar beets dried after extraction of sugar, and 1 was dried beet pulp which contained 10.00 per cent. of beet molasses. Excluding the sample containing the molasses, the crude protein ranged from 8.25 per cent. to 10.69 per cent., with an average of 9.43 per cent., the crude fat ranged from 0.85 per cent. to 1.73 per cent., with an average of 1.27 per cent. and the crude fiber ranged from 15.72 per cent. to 19.52 per cent., with an average of 18.11 per cent.

MIXED FEEDS:—PROPRIETARY AND MISCELLANEOUS.

The number of samples of feeding stuffs received during the year which are grouped under the general heading of "Mixed Feeds" was 784. Under this heading are classed the various brands of Proprietary Dairy, Stock, Horse and Mule Feeds, Calf Meals, Chop Feeds, Poultry Foods and Miscellaneous Feeds. This number represents a variety in the brands or classes of Mixed Feeds which were offered for sale in Pennsylvania. In many cases several samples of the same brand or class were secured and where two or more of these were examined an average was made of the results of analyses. For convenience in tabulating the different brands and classes, and in making comments concerning their character, they have been grouped and will be discussed under six sub-divisions, as follows:

Proprietary Dairy and Stock Feeds.

Proprietary Horse and Mule Feeds.

Calf Meals.

Miscellaneous Feeds.

Miscellaneous Chop Feeds.

Proprietary Poultry Foods.

PROPRIETARY DAIRY AND STOCK FEEDS.

Analyses on Pages 100 to 155.

The number of Proprietary Dairy and Stock Feeds examined during the year was 301. One-half of this number were "Molasses Feeds" so called for the reason that molasses is used as an ingredient together with different proportions of various by-products.

The general character of the Dairy and Stock Feeds received was good and shows an improvement over those examined in 1911. The number of deficiencies was less and they were more free from products not given in the list of ingredients. All but one were guaranteed. One was found to be deficient in both crude protein and crude fat, 16 were deficient in crude protein alone and 4 were deficient in crude fat alone. A large proportion of the samples were found to contain more crude protein and crude fat than was guaranteed. There were a number of samples which contained varying amounts of unground weed seeds which were introduced where screenings had been used in the mixture. The feeds in which ground and bolted grain screenings were introduced were as a rule clean in their general appearance. In many cases where a feed was advertised to contain as ingredients a few cereal grains such as Corn, Oats, Barley, etc., and a number of by-products, it was difficult to detect the presence of the grains as the proportion to the by-products was small and hardly justified, in some instances, their being named. From the composition claimed, in these cases, one would expect to find a reasonable proportion of whole sound grains to be mixed with the by-products. The presence of a small amount of unsound, imperfect and damaged grains instead of high grade products, cannot be claimed to be in compliance with the spirit of the law or fair to the consumers. The following list of ingredients was found to have been used in compounding the various Dairy and Stock Feeds: corn, corn meal, shelled and ear corn, corn flour, hominy oats, oat shorts, oat middlings, oat clippings, oat hulls, barley, wheat, wheat bran, wheat middlings, wheat shorts, reddog flour, cottonseed meal, cottonseed hulls, cottonseed hull bran, linseed meal, corn oil meal, gluten feed, distillers and brewers dried grains, alfalfa meal, malt sprouts, flax plant refuse, molasses, salt and various grades of grain screenings both unground and bolted from wheat, oats, barley and flax. The chemical analysis and composition of these feeds will be found in the table as indicated.

Among the brands received are the following: Acme Feed, Altoona Feed Mills' Dairy Feed, Sucrene Dairy Feed, Prize Dairy Feed, Ubiko Union Grains, Mixed Feed for Milch Cows, Bufceco Stock Feed, Union Dairy Ration, Duffee's Mixed Feed, Crystaloid Dairy

Feed, Emporium Feed, J. W. Eshelman's Home Made Dairy Feed, Faramel Dairy Feed, Holstein Sugar Feed, H & S Alfalfa Feed, New England Stock Feed, Cremo Brand Cotton Seed Feed, Husted's Germaline Molasses Feed and Stock Feed, C. O. & B. Feed, Imperial Feed Meal, International Dairy Feed, International Hog Feed and Charcoal, International Special Molasses Feed, Jem Feed, Purity Milk Maker, Badger Dairy Feed, Badger Evergreen Feed, Badger Fancy Mixed Feed, Kiff's Creamery Dairy Feed, Kay Molasses Feed, Kornfalfa Kandy Feed, Larro Feed, Best Mixed Feed for Cows, McMahon's Special Pig Grower, Milk and Muscle Producer, Maltine Dairy Feed, Mihimico Stock Feed, Sugarota Dairy Feed, Alcorn Alfalfa Feed, Alfalfa-Syr. Feed, Cream Alfalfa Dairy Feed, Green Meadow Feed, Otto Weiss Mixed Stock Feed and Sweet Feed No. 4, Peter's Alfalfa Queen Dairy Feed, Pioneer Stock Feed, Pritt's Alfalfa Corn Feed and Pig Feed, Blue Ribbon Dairy Feed, Boss Feed, Buckeye Mixed Feed, C. O. & B. Feed (Quaker Oats Co.), Daisy Dairy Feed, Quaker Molasses Dairy Feed, Schumaker Stock Feed, Sterling Stock Feed, Victor Feed, White Diamond Feed, Protена Feed, Purina Molasses Feed, Scranton Flour and Grain Co.'s Special Feed and Stock Feed, Red Letter Brand Cottonseed Feed, Boveta Brand Cottonseed Hull and Meal Mixture, Cottonseed Feed Meal, Jersey Cow Feed, Ko-Bos Dairy Feed, Prime Cottonseed Feed, Royal Feed, Sugarine Dairy Feed, Cremo Brand Cottonseed Feed Meal, Derby Stock Feed, Toepfer's Mixed Feed, Crown Brand Ko-Pres-Ko, Hammond Dairy Feed, and Hammond Stock Feed.

PROPRIETARY HORSE AND MULE FEEDS.

Analyses on Pages 154 to 167.

Eighty samples classed as Proprietary Horse and Mule Feeds were received and analyzed during the year. All of these were found to be labeled with the guaranteed analysis. In one case the list of ingredients was omitted. The results of examination indicates that this class of feeds is, as a rule, clean and that they contain the ingredients as advertised. One sample was found to contain a small amount of weed seeds. Two samples were deficient in crude protein and one in crude fat. In the majority of cases, however, the guarantees were exceeded.

Among the ingredients used were the following: Corn, shelled and ear corn, corn grits, corn bran, cracked corn siftings, hominy feed, gluten feed, oats, oat shorts, oat middlings, oat hulls, oat clippings, barley, brewer's dried grains, malt sprouts, wheat, wheat middlings, wheat bran, reddog flour, rye, rye middlings, rye bran, alfalfa, cottonseed meal, linseed meal, recleaned grain screenings, sugar beet syrup, molasses and salt.

The following brands of Horse and Mule Feeds were received: Horse Chop (Altoona Feed Mills, E. D. Clark's, Klepser Bros., and D. & A. Luckenbach's), Sucrene Alfalfa Horse and Mule Feed, Sucrene Horse and Mule Feed, Acme Horse Chop, My Best Horse Feed, Ubiko Horse and Stock Feed, Bufceco Horse Feed, Pioneer Horse and Cattle Feed, Home Made Horse Feed, Faramel Horse Feed, Special Mixed Horse Feed, Globe Horse Feed, Atlas Horse Feed, Algrane Horse Feed, International Horse Feed, Badger Alfalfa Horse and Mule Feed, Kift's Horse Feed, Harteno Horse and Cattle Food, Best Mixed Feed for Horses, McMahan's Prepared Horse Feed, Alcorn Alfalfa Feed, Perfection Horse Feed, Alfalfa Horse Feed, Peters' Arab Horse Feed, Pritt's Alfalfa Horse Feed, Green Cross Horse Feed, Herald Horse and Mule Feed, Chicago Alfalfa Horse and Mule Feed and Hammond Horse Feed.

CALF MEALS.

Analyses on Pages 166 to 169.

Sixteen samples of feeding stuffs sold as Calf Meals were received and analyzed, all of which were guaranteed. One was found to be deficient in crude protein and two in crude fat. Among the ingredients used in compounding the Calf Meals received, were the following: Barley, wheat, oats, flaxseed, locust bean meal, wheat flour, cottonseed meal, beans, lentils, cocoa hulls, foenugreek seed, linseed, malt sprouts, pea meal, distillers dried grains, reddog flour and dried milk, which in most cases were ground or pulverized.

The following brands of this class of feeding stuffs were obtained: Blatchford's Calf Meal, Gregson's Calf Meal, International Grofast Calf Meal, Sugarota Calf Meal and Schumacher Calf Meal.

MISCELLANEOUS FEEDS.

Analyses on Pages 168 to 171.

Twenty-two samples of feeds which were classified as "Miscellaneous Feeds" were examined during the year. Fifteen of these were found to be guaranteed for crude protein, crude fat and crude fiber and of this latter number one was found to be deficient in crude fat. The feeds included in this class were those for which no distinctive brand name was given and included 12 samples labeled as "Mixed Feeds," 1 sample of Oats before cleaning, 1 sample of Oats after cleaning, a sample of the Oat cleanings and Oat screenings, a sample of so called Branning Refuse, Ground Puffed Rice Screenings, Ground Puffed Wheat, Corn and Oats Feed, an Ear and Shelled Corn, Oats and Wheat Feed, and 1 sample of "Dried Grains." The sample of Oats before and after being cleaned were obtained and

examined to determine whether or not they had been bleached by sulphuring and positive results were secured showing they had been sulphured. The Branning Refuse was a sample of Wheat Middlings and palm oil being a by-product from the manufacture or cleaning of tin plate. This product has been recently offered for sale at a low price. The sample of "Dried Grains" mentioned was found to be a mixture of corn distillers grains, brewers grains and malt sprouts. Among the ingredients used in compounding the other feeds, were the following: Corn, corn bran, hominy feed, shelled and ear corn, corn meal, oats, oat middlings, oat shorts, oat hulls, barley, brewers dried grains, wheat middlings, wheat bran, rye, rye middlings and rye bran.

MISCELLANEOUS CHOP FEEDS.

Analyses on Pages 170 to 187.

One Hundred and forty-three samples of feeding stuffs classified as Miscellaneous Chop Feeds were sent to the Department for analysis by Special Agents. Of this number 99 were found to be guaranteed for crude protein crude fat and crude fiber. Of the number guaranteed, 1 was found to be deficient in both crude protein and crude fat, 5 deficient in crude protein alone and 2 deficient in crude fat alone. Inasmuch as many of these Chop Feeds were composed of whole grains, the guaranteed analysis was not required which accounts for only about two-thirds of the samples being guaranteed. In many cases, however, guarantees were given where they were not required. Among the Chop Feeds were included the whole grain chops such as Corn Chop, Corn and Oat Chops, Corn, Oats and Rye Chops and a number of so called "Chop Feeds," some of which were those having a proprietary or distinctive brand name and which were mixtures of whole grains and certain by-products. There were only 2 samples of Corn Chops, 1 of which was claimed to be yellow shelled and yellow ear corn, and the other was found to be ground corn and cob meal. The average analysis of these 2 Chops were as follows: crude protein 8.97 per cent. crude fat 3.99 per cent., crude fiber 4.25 per cent. There were 42 samples of Corn and Oat Chops a few of which were guaranteed and many of which were simply classed as Corn and Oats Chop. The average analysis of these was found to be as follows: crude protein 10.31 per cent., crude fat 4.41 per cent., crude fiber 3.76 per cent. Two samples of Corn, Oats and Barley Chops gave the following average analysis: crude protein 9.35 per cent., crude fat 3.22 per cent., crude fiber 3.65 per cent. There were 6 samples of Corn, Oats and Rye Chops averaging as follows: crude protein 10.93 per cent., crude fat 3.65 per cent., crude fiber 4.54 per cent. There were a number of Chop

Feeds composed of by-products together with whole grains which were found to be in most cases guaranteed. These samples are grouped alphabetically according to the manufacturer's or importers' names, and where two or more samples of the same kind or class or brand of Chop Feeds were received, an average of the analyses obtained has been made as will be noted in the table. As a rule these Chop Feeds were clean and free from products not claimed or advertised. The guaranteed analysis together with the composition as claimed and found by us will be noted in the table.

PROPRIETARY POULTRY FOODS.

Analyses on Pages 186 to 221.

The number of samples of so called Proprietary Poultry Foods examined during the year was 222. As a rule this class of goods is composed of varying amounts of whole grains and in many cases in addition to the whole grains used such products as linseed oil meal, cottonseed meal, alfalfa meal, gluten feed, wheat and rye by-products, meat scraps, meat and bone meal, and fish scrap, are added, together with small amounts of grit, oyster shell, charcoal etc. The results of examination of these Poultry Foods shows a marked improvement in this class of goods over those examined during the previous year. As a rule the samples examined were clean and contained clean, sound grains as advertised, however, there were many samples received which could not claim this distinction. Owing to the fact that various grades of whole grains are used in compounding poultry food weed seeds have been introduced in small or large amounts according to whether or not the grains used had been properly screened. In a number of samples, as will be noted in the table, weed seeds were found present, and in some of these cases their presence was due to the fact that "chicken feed wheat" was used which had not been cleaned or freed from weed seeds. While the samples, as a rule, showed an improvement and were free from containing a large proportion of weed seeds, there is still room for improvement in producing Poultry Foods which are free from foreign or undesirable seeds.

Of the samples guaranteed, some of which were rather high in crude protein and which contained by-products in addition to whole grains, 2 were found to be deficient in both crude protein and crude fat, 6 deficient in crude protein alone and 8 deficient in crude fat alone.

The following brands of Proprietary Poultry Foods represented by one or more samples were received: S. O. Alder & Sons' Hen Feed; Amco Chick Feed, Amco Chick Feed 5% Grit, Amco Hen

Feed, Hen-O-La Scratch Feed, Sunflower Fine Chick Feed with Grit, C-Er-Lay Poultry Feed, Eclipse Poultry Food, Blank & Gottshall's Mash Food, No. 1 Hen Food and Pigeon Food, Blended Hen Food, Chick Food Invigorator, Boliano's Square Deal Chick Food and Square Deal Chick Starter, Poultry Food (C. C. & F. A. Brooks', Sydney T. Isett's and H. E. Oberts), Bufceco Scratching Grains, Royal Poultry Feed with Grit, F. P. Cassel & Sons' High Grade Pigeon Feed, High Grade Poultry Scratch Feed, Standard Poultry Mash Food, Standard Poultry Scratch Feed and Success Chick Feed, Rising Sun Scratch Feed, E. D. Clark's Superior Hen Food and Superior Chick Food, Dayton's Ideal Scratch Grains and Prize Baby Chick Food, Colonial Developing Feed no grit; Crescent Chick Feed with Grit, Globe Scratch Feed no Grit, Pine Tree Scratch Feed with Grit, Queen Poultry Mash, Sun Chick Starter with Grit, White Cross Scratch Feed with and without Grit, Geo. E. Dall's Mixed Grain and Poultry Mash, Dyer's Dry Mash and Hen Feed, Laymor Hen Feed, Triumph Scratch Feed, Cackle Fine Chick Feed with Grit, Cackle Poultry Feed with and without Grit, Red Comb Coarse Chick Feed with and without Grit, Red Comb Meat Mash, Red Comb Poultry Feed with and without Grit, Red Comb Pigeon Feed, Hen Food (Elkland Roller Mills' and Haney Frazier Milking Company's), Neverfail Egg Producer, Scratch Feed (Emporium Milling Co.'s and J. M. Hayes & Co.'s), Chick Feed (Enterprise Milling Co.'s., A. C. Godshall & Co.'s., R. S. McCague's and F. V. Perry's), John W. Eshelman's Chick Feed, Hen Feed, Pigeon Feed, Poultry Mash and Pullet Chick Feed, Excelsior Hen Food, Growing Quality, Blue Ribbon Laying Mash, Blue Ribbon Little Chick Food, Regular Scratching Feed, Harding's Baby Chick Food and Granulated Milk for Poultry, Harvey's Chick Food, H. E. Hawk's Sons' Mixed Grain and Poultry Food, Algrane Scratching Feed, Hornby's Scratching Grains, Imperial Chicken Feed and Chick Feed, Husted's Competition Scratch Feed, Laying Mash and Scratch Feed, Mixed Grain Chicken Feed, John-Hen Meat Mash, John-Hen Poultry Feed, Star Mash Feed, A No. 1 Chick Grains, A No. 1 Poultry Grains, Ideal Hen Feed, Langdon's Poultry Mash and Scratch Grains, L. & S. Hen Feed, L. & S. Poultry Mash, Diamond Chick Feed, Diamond Scratch Feed with and without Grit, Martin's Chick Feed, Chicken Feed and Poultry Mash, Best Mixed Grain for Chickens, Best Poultry Mash, C. P. Matthews & Sons', Inc. Chicken Food, Pure Mixed Grain for Fancy Poultry, Mixed Chicken Feed, Purity Poultry Mash (Jamestown Electric Mill's and Miner Hilliard Milling Co.'s.), Pure All Grain Economy Scratching Grains, Park & Pollard Co.'s Dry Mash, Gritless Chick Mash, Growing Feed, Scratch Feed and Screened Scratch Feed, Fred Pontz's Mash Feed, Hen Feed and Chick Food, Eggo Dry

Mash, Eureka Scratching Grains, Pritt's Dry Mash, American Poultry Feed, Blue Ribbon Chick Feed, Daisy Hen Feed, Mothers Chick Feed, Mothers Hen Feed, Quaker Chick Feed, Schumacher Little Chick Feed, Schumacher Scratching Grains, Chicken Feed Chick Size, Chicken Feed Scratch Size, Purina Chicken Chowder Feed, Reed's Mixed Hen Feed, Keystone Egg Producer, Ogemaw A. A. Pigeon Feed, Scranton Flour & Grain Co.'s Mixed Chicken Grain, Government Mash, Simpson Bros.' Hen-O-La Mash Feed and Hen-O-La Scratch Feed, Perlicross Chick Feed, Egg Mash Feed, Spalding's Dry Mash, Spratt's Patent Chick Meal No. 5, Antwerp Pigeon Feed, Dandy Scratch Feed, Excelsior Chicken Feed, Victor Poultry Food, Success Scratch Feed, Choice Chicken Feed, Choice Hen Food, Geo. W. Wertz's Mash Feed for Poultry, White Oak Hen Buster Lay or Bust, Invincible Poultry Feed, Williams' Star Scratch Feed, White Oak Chick Feed, White Oak Scratch Feed, Perfection Mash Feed and Yost's Life Saver Little Chick Food.

ANIMAL BY-PRODUCTS.

Analyses on Pages 222 and 223.

Ten samples of feeding stuffs classified as Animal By-Products were received and analyzed. They were all guaranteed and no deficiencies were observed. These products contain a high content of crude protein ranging from 26.00 per cent. in a sample of Poultry Bone to 61.13 per cent. in a sample of Meat Scraps. The following brands were represented: Armour's Pure Animal Food Beef Scraps for Poultry, Armour's Pure Animal Food Medium Poultry Bone, Three Medal Poultry Meat, Bolgiano's Square Deal Beef Scraps, F. P. Cassel & Sons' and Pittsburg Provision and Packing Co.'s Beef Scraps, Blue Ribbon Meat Scraps, Spratt's Patent Ground Meat and Swift's Special Meat Scraps. One of these products was composed of ground beef scrap and bone and the others, with the exception of the Poultry Bone, were ground meat residues.

CONDIMENTAL STOCK AND POULTRY FOODS.

Analyses on Pages 222 to 227.

Of the feeding stuffs analyzed and classified as Condimental Stock and Poultry Foods, 14 samples were received representing 9 different brands. Two of these samples were found not to be labeled with the guaranteed analysis as required. One sample was found to be deficient in crude fat.

The ingredients used in compounding these foods included the following: Wheat bran, wheat middlings, buckwheat shorts, cottonseed meal, linseed meal, gluten meal, meat meal, corn meal, Kaffir corn meal, alfalfa meal, corn, oats, cooked wheat, millet, rape seed, caraway seed, corn starch, cracker meal, oat chop, bone flour, bone

meal, granulated blood, hulled oats, aniseseed, gentian, ginger, foenu-greek, sassafras bark, mustard bran (mustard oil cake), cayenne pepper, black pepper, licorice root, fennel seed, chalk, sulphate of iron, sulphur, charcoal, hydrate of lime, Venetian red, powdered oyster shells, epsom salts, hen-e-ta bone grit, potassium nitrate, sodium sulphate, calcium carbonate and salt. One sample was found to contain rice hulls.

The brands represented were: Brand 3 Mash Food, Chick Manna, F. P. C. High Grade Poultry Mash Food, Federal Food (a tonic), Hen-O-La Mash Food, Lee's Egg Maker and Chick Grower, Little Giant Stock Food Tonic, Pratt's Baby Chick Food, Standard Poultry Food and Imperial Egg Food.

ANALYSES OF FEEDING STUFFS COLLECTED BY SPECIAL AGENTS.

In the large table following (No. IX) is reported the results of chemical analyses and microscopical examinations of the 1400 official samples of feeding stuffs received during the year, together with the analyses guaranteed, the certified compositions and the retail prices. These samples are classified or grouped in the following order as given in table No. III, and averages are given where two or more of the same brand or class of feeding stuffs were received:

OIL CAKE MEALS, including cottonseed meal, new process and old process linseed meal, linseed meal with admixtures and corn oil meal.

DISTILLERY AND BREWERY BY-PRODUCTS including distiller's grains from corn and rye, brewers' dried grains and malt sprouts.

MAIZE BY-PRODUCTS including gluten feeds, gluten meals, hominy feeds, corn bran, corn feed meal and corn flour.

WHEAT OFFALS including low grade flour, wheat middlings, wheat middlings with admixtures, mixed feed, wheat by-products and wheat bran.

RYE OFFALS including rye middlings and rye mixed feeds.

WHEAT AND RYE OFFALS including mixtures of wheat and rye bran and middlings.

BUCKWHEAT OFFALS including buckwheat middlings and feeds.

ALFALFA MEALS.

BEET PULP.

MIXED FEEDS including proprietary dairy and stock feeds, proprietary horse and mule feeds, calf meals, miscellaneous feeds, miscellaneous chop feeds and proprietary poultry foods.

ANIMAL BY-PRODUCTS.

CONDIMENTAL STOCK AND POULTRY FOODS.

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
OIL CAKE MEALS.						
Cottonseed Meal.						
7211	Choice, The American Cotton Oil Co., Helena, Ark.	Montrose, Brown & Fassett,	1011	Per ct. 8.27	Per ct. 41.19	Per ct. 41.00
6893	Amco, American Milling Co., Chicago, Ill.	New Kensington, Stillen & Gailley.	693	6.93	38.88	41.00
6817	Amco, American Milling Co., Chicago, Ill.	Ford City, J. E. Walker, --	617	6.96	39.31	41.00
		Average, -----		6.94	39.10	-----
6637	"Bartlett's Farmer Brand," Fancy Choice, The Bartlett Co., Detroit, Mich.	Beaver Falls, John G. Allen.	437	7.72	39.75	41-48
6690	"Bartlett's Farmer Brand," Fancy Choice, The Bartlett Co., Detroit, Mich.	Mars, Mars Milling and Feed Co.	490	8.95	42.56	41-48
6846	"Bartlett's Farmer Brand," Fancy Choice, The Bartlett Co., Detroit, Mich.	Clearfield, Ross & Woods, --	646	8.34	42.19	41-48
6286	"Bartlett's Farmer Brand," Fancy Choice, The Bartlett Co., Detroit, Mich.	Johnstown, Swope Bros., ---	86	8.13	42.81	41-48
		Average, -----		8.28	41.83	-----
6240	----- H. E. Bridges Co., Memphis, Tenn.	Lancaster, G. H. Schreiner & Son.	40	8.66	39.31	38-41
6983	Dove Brand, F. W. Brode & Co., Memphis, Tenn.	Bedford, Davidson Bros., --	783	6.87	40.38	38.63
6490	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	Wellsboro, Max Bernkopf & Bro.	290	7.07	41.69	41.00
6554	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	Sunbury, Blank & Gottshall,	354	7.23	41.81	41.00
7472	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	Erie, W. J. Carroll, -----	1272	8.04	43.13	41.00
6645	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	Beaver Falls, Dodds & Garrett.	445	7.10	41.00	41.00
6401	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	Palmyra, Early & Detwiler,	201	7.54	39.44	41.00
6422	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	Danville, Haney-Frazier Milling Co.	222	6.71	41.25	41.00
6367	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	Mechanicsburg, A. B. Harnish.	167	8.27	42.38	41.00
6348	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	Hanover, George Hull & Sons.	148	7.63	42.31	41.00
7153	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	Titusville, Kerr Hill Mill Co., Ltd.	953	7.78	39.63	41.00
6664	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	Butler, H. J. Klinger & Co.	464	8.22	42.19	41.00
7507	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	Gettysburg, McIlhenny Bros.,	1307	7.05	41.25	41.00
6344	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	Spring Grove, Menges Bros. & Stouffer.	144	7.75	38.69	41.00

FEEDING STUFFS COLLECTED IN 1912.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
8.50	9.00	7.60	10.50	\$1 60		Cottonseed meal, -----	7211
9.33	8.00	9.07	10.00	1 70	Cottonseed product, ----	As certified, -----	6893
8.20	8.00	8.90	10.00	1 70	Cottonseed product, ----	As certified, -----	6817
8.77	-----	8.98	-----	1 70			
8.85	7-12	9.05	4-10	1 75	-----	Cottonseed meal, -----	6637
8.45	7-12	6.60	4-10	1 75	-----	Cottonseed meal, -----	6690
7.70	7-12	7.75	4-10	2 25	-----	Cottonseed meal, -----	6846
8.15	7-12	6.67	4-10	33 00	-----	Cottonseed meal, -----	6286
8.29	-----	7.51	-----	37 00			
7.15	7-9	8.90	10.00	1 85	Decorticated cottonseed,--	As certified, -----	6240
8.40	6.00	10.00	10.00	1 80	Decorticated cottonseed,--	As certified, -----	6983
11.50	6.00	7.15	10.00	1 65	Decorticated cottonseed,--	As certified, -----	6490
6.85	6.00	10.52	10.00	34 00	Decorticated cottonseed,--	As certified, -----	6554
7.70	6.00	7.85	10.00	33 00	Decorticated cottonseed,--	As certified, -----	7472
8.15	6.00	9.10	10.00	1 80	Fully decorticated cottonseed.	As certified, -----	6645
8.40	6.00	8.50	10.00	1 70	Decorticated cottonseed,--	As certified, -----	6401
8.15	6.00	9.40	10.00	1 85	Decorticated cottonseed,--	As certified, -----	6422
7.43	6.00	8.35	10.00	34 00	Decorticated cottonseed,--	As certified, -----	6367
10.40	6.00	6.95	10.00	32.00	Decorticated cottonseed,--	As certified, -----	6348
8.30	6.00	10.25	10.00	1 75	Decorticated cottonseed,--	As certified, -----	7153
8.35	6.00	6.95	10.00	1 70	Decorticated cottonseed,--	As certified, -----	6664
9.80	6.00	7.90	10.00	32 00	Decorticated cottonseed,--	As certified, -----	7507
7.48	6.00	10.17	10.00	1 65	Decorticated cottonseed,--	As certified, -----	6344

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
6718	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	Newville, S. E. Shenk,----	518	Per ct. 8.63	Per ct. 41.00	Per ct. 41.00
6838	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	Munson Station, Jacob Smutzinger.	638	7.30	44.25	41.00
6333	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	York, H. H. Smyser, -----	133	5.95	44.13	41.00
6389	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	Troy, H. M. Spaulding & Son.	389	8.17	41.06	41.00
6871	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	DuBois, A. T. Sprankle, ----	671	7.00	41.06	41.00
6321	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	York, F. Z. Stauffer, -----	121	7.10	42.56	41.00
6380	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	Williamsport, Jacob Thomas,	380	8.94	39.25	41.00
6410	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	Lebanon, A. M. Weltmer's Sons.	210	7.68	44.44	41.00
7188	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	East Stroudsburg, J. M. Wyckoff.	988	6.90	42.63	41.00
6393	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	Myerstown, S. T. Yost, ---	193	7.51	42.81	41.00
6524	Owl Brand High-Grade, F. W. Brode & Co., Memphis, Tenn.	Warren, T. N. Dunham, ---	324	7.15	42.19	41-43
		Average, -----		7.50	41.74	-----
7217	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Tunkhannock, Brown & Fassett.	1017	7.87	39.81	38.5-41
7520	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Littlestown, D. E. Buckey & Son.	1320	7.06	38.75	38.5-41
6477	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Knoxville, J. H. Burch, ----	277	7.63	40.06	38.5-41
6471	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Knoxville, Deerfield Milling Co.	271	7.71	40.31	38.5-41
7354	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Lansdale, A. C. Godshall & Co.	1154	7.69	41.44	38.5-41
6420	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Sunbury, Kift Milling Co.,	220	7.59	39.94	38.5-41
7223	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Meshoppen, Roberts & Sherwood.	1023	8.36	38.60	38.5-41
		Average, -----		7.70	39.86	-----
6834	----- The City Mills, Muncy, Penna.	Philipsburg, J. O. Reed, ---	634	6.92	41.13	41.56
6725	Good Luck Brand, S. P. Davis, Little Rock, Ark.	Chambersburg, Diehl, Omwake & Diehl.	525	8.18	42.19	41-43
6543	Good Luck Brand, S. P. Davis, Little Rock, Ark.	Mifflinburg, R. Foster & Son.	343	8.73	39.75	41-43
7129	Good Luck Brand, S. P. Davis, Little Rock, Ark.	Brookville, Klines' Sifter Mills.	929	8.07	38.13	41-43
6340	Good Luck Brand, S. P. Davis, Little Rock, Ark.	York, F. Loucks & Son, --	140	8.07	42.06	41-43

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 7.30	Per ct. 6.00	Per ct. 8.95	Per ct. 10.00	\$1 75	Fully decorticated cottonseed.	As certified, -----	6718
9.95	6.00	4.57	10.00	2 00	Decorticated cottonseed,-	As certified, -----	6838
8.65	6.00	7.02	10.00	32 00	Decorticated cottonseed,-	As certified, -----	6333
.80	6.00	9.45	10.00	1 65	Decorticated cottonseed,-	As certified, -----	6589
7.95	6.00	8.70	10.00	1 75	Decorticated cottonseed,-	As certified, -----	6871
8.73	6.00	7.77	10.00	1 70	Decorticated cottonseed,-	As certified, -----	6321
8.65	6.00	8.47	10.00	32 00	Decorticated cottonseed,-	As certified, -----	6580
7.38	6.00	7.07	10.00	34 00	Decorticated cottonseed,-	As certified, -----	6410
8.00	6.00	8.82	10.00	36 00	Decorticated cottonseed,-	As certified, -----	7188
8.40	6.00	8.25	10.00	32 00	Decorticated cottonseed,-	As certified, -----	6393
9.80	6-8	7-15	10.00	35 00	Decorticated cottonseed,-	As certified, -----	6524
8.44	-----	8.23	-----	34 13			
7.58	6.5-7	11.02	8-10	1 75	-----	Cottonseed meal, -----	7217
8.60	6.5-7	10.75	10-12	32 00	-----	Cottonseed meal, -----	7520
7.10	6.5-7	12.20	8-10	1 75	-----	Cottonseed meal, -----	6477
8.85	6.5-7	10.95	8-10	1-70	-----	Cottonseed meal, -----	6471
7.75	6.5-7	9.00	8-10	1.60	-----	Cottonseed meal, -----	7354
8.13	6.5-7	10.90	8-10	1 70	-----	Cottonseed meal, -----	6420
8.05	6.5-7	11 45	8-10	1 70	-----	Cottonseed meal, -----	7223
8.01	-----	10.89	-----	33 71			
6.85	6.63	10.10	9.61	1 80	-----	Cottonseed meal, -----	6834
7.30	7-9	8.77	10.50	32 00	Decorticated cottonseed,-	As certified, -----	6725
7.50	7-9	9.70	10.50	1 80	Decorticated cottonseed,-	As certified, -----	6543
7.50	7-9	10.42	10.50	1 90	Decorticated cottonseed,-	As certified, -----	7129
7.83	7-9	10.42	10.50	1 75	Decorticated cottonseed,-	As certified, -----	6340

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6990	Good Luck Brand, S. P. Davis, Little Rock, Ark.	Hickory, Robinson & Caldwell.	790	Per et. 7.98	Per et. 41.63	Per et. 41-43
6581	Good Luck Brand, S. P. Davis, Little Rock, Ark.	Troy, Snedeker & Mitchell,---	381	7.65	39.75	41-43
7550	Good Luck Brand, S. P. Davis, Little Rock, Ark.	Clarion, B. W. Thompson,---	1350	6.19	41.06	41-43
6827	Good Luck Brand, S. P. Davis, Little Rock, Ark.	Tyrone, Tyrone Milling Co.,	627	7.75	39.38	41-43
		Average, -----		7.82	40.49	-----
7487	"Dixie Brand," Humphreys, Godwin Co., Memphis, Tenn.	Erie, A. P. Allen, -----	1287	7.31	39.81	38.62-43
6501	"Dixie Brand," Humphreys, Godwin Co., Memphis, Tenn.	Wellsboro, George C. and F. A. Brooks.	301	8.36	40.81	38.62-43
7137	"Dixie Brand," Humphreys, Godwin Co., Memphis, Tenn.	Reynoldsville, Fales Grocery Co.	937	8.21	40.06	38.62-43
6421	"Dixie Brand," Humphreys, Godwin Co., Memphis, Tenn.	Danville, Hancy-Frazier Milling Co.	221	6.13	42.38	41.00
6663	"Dixie Brand," Humphreys, Godwin Co., Memphis, Tenn.	Butler, H. J. Klingler & Co.	463	6.26	42.69	38.62-43
7145	"Dixie Brand," Humphreys, Godwin Co., Memphis, Tenn.	Tionesta, Lanson Bros., ---	945	8.16	38.63	38.62-43
7142	"Dixie Brand," Humphreys, Godwin Co., Memphis, Tenn.	Brockwayville, McCauley, McCay & Co.	942	8.68	38.56	38.62-43
6867	"Dixie Brand," Humphreys, Godwin Co., Memphis, Tenn.	St. Marys, Leonard Ritter,	667	7.41	38.69	38.62-43
6493	"Dixie Brand," Humphreys, Godwin Co., Memphis, Tenn.	Wellsboro, B. Schrader & Son.	293	7.18	40.94	38.62-43
6791	"Dixie Brand," Humphreys, Godwin Co., Memphis, Tenn.	Embreeville, R. G. Smith & Son.	591	8.51	43.44	38.62-43
7219	"Dixie Brand," Humphreys, Godwin Co., Memphis, Tenn.	Meshoppen, C. B. Tyler, ---	1019	7.93	38.00	38.62-43
6440	"Dixie Brand," Humphreys, Godwin Co., Memphis, Tenn.	Lock Haven, E. E. Wentz,	240	7.15	39.94	38.62-43
		Average, -----		7.55	40.33	-----
7022	Union Brand, Humphreys, Godwin & Co., Memphis, Tenn.	Scottdale, J. E. Pritts, ---	822	*7.28	*35.56	35-37
7315	Choice, Kemper Mill and Elevator Co., Kansas City, Mo.	Pottstown, S. B. Wagener & Co.	1115	8.06	41.38	41.00
6264	Choice, Kemper Mill and Elevator Co., Kansas City, Mo.	Gap, Jos. C. Walker & Sons Co.	64	6.36	41.63	41.00
7288	Choice, Kemper Mill and Elevator Co., Kansas City, Mo.	Reading, Aug. C. Wertz & Bro.	1088	7.25	40.06	41.00
		Average, -----		7.22	41.02	-----
6882	"Selden," Memphis Cottonseed Products Co., Memphis, Tenn.	Vandergrift, Claypool & Claypool.	682	6.42	39.88	41.00
6658	"Selden," Memphis Cottonseed Products Co., Memphis, Tenn.	Beaver, A. F. Grine, -----	458	5.96	41.81	41.00

*Excluded from total average.

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
7.70	7-9	9.00	10.50	\$1 75	Decorticated cottonseed,--	As certified, -----	6990
7.95	7-9	9.55	10.50	1 65	Decorticated cottonseed,--	As certified, -----	6381
8.40	7-9	10.40	10.50	1 90	Decorticated cottonseed,--	As certified, -----	7550
8.20	7-9	9.55	10 50	1 75	Decorticated cottonseed,--	As certified, -----	6827
7.80	-----	9.72	-----	35 25			
6.80	6-8	11.42	8-12	32 00	Pressed cottonseed, ----	As certified, -----	7487
8.20	6-8	8.37	8-12	1 60	Pressed cottonseed, ----	As certified, -----	6501
7.85	6-8	8.70	8-12	1 75	Pressed cottonseed, ----	As certified, -----	7137
7.45	6.00	6.47	10.00	1 85	Pressed cottonseed, ----	As certified, -----	6423
7.25	6-8	8.05	8-12	1 70	Pressed cottonseed, ----	As certified, -----	6063
7.80	6-8	12.05	8.12	1 85	Pressed cottonseed, ----	As certified, -----	7145
7.45	6-8	10.60	8-12	1 65	Pressed cottonseed, ----	As certified, -----	7142
6.80	6-8	11.30	8-12	1 65	Pressed cottonseed, ----	As certified, -----	6867
8.05	6-8	9.35	8-12	1 60	Pressed cottonseed, ----	As certified, -----	6493
8.05	6-8	8.95	8-12	33 00	Pressed cottonseed, ----	As certified, -----	6791
7.90	6-8	10.15	8-12	1 65	Pressed cottonseed, ----	As certified, -----	7219
8.15	6.8	9.80	8-12	1 75	Pressed cottonseed, ----	As certified, -----	6440
7.65	-----	9.60	-----	33 33			
*6.68	6-7	*13.43	8-12	*1 70	Pressed cottonseed, ----	Cottonseed meal and excessive amount of hulls.	7022
8.35	7.50	8.15	10.00	33 00	-----	Cottonseed meal, ----	7315
9.23	7.50	7.97	10.00	33 00	-----	Cottonseed meal, ----	6264
10.90	7.50	7.75	10.00	33.00	-----	Cottonseed meal, ----	7288
9.49	-----	7.95	-----	33 00			
6.60	6.00	10.45	10.60	1 80	Pressed cottonseed, ----	As certified, -----	6882
7.20	6.00	9.70	10.00	1 70	Pressed cottonseed, ----	As certified, -----	6658

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6738	"Selden," Memphis Cottonseed Products Co., Memphis, Tenn.	Lemasters, Lehmaster Warehouse Co.	538	Per ct. 7.56	Per ct. 42.69	Per ct. 41.00
		Average, -----		7.42	42.16	-----
6593	Robin Brand, Geo. B. Robinson, Jr., New York, N. Y.	Antes Fort, Gheen, Spigel-meyer & Phleger.	393	6.85	41.00	41.00
6797	Dirigo Brand, W. Newton Smith, Baltimore, Md.	West Grove, S. K. Chambers & Bro.	597	8.47	38.94	41-43
7530	Dirigo Brand, W. Newton Smith, Baltimore, Md.	Patton, F. E. Farabaugh,	1330	9.11	41.06	41-43
6731	Dirigo Brand, W. Newton Smith, Baltimore, Md.	Chambersburg, D. W. Faust & Sons.	531	7.65	40.94	38.62-43
6805	Dirigo Brand, W. Newton Smith, Baltimore, Md.	Kittanning, J. A. Gault Co.,	605	7.22	41.94	41-43
6304	Dirigo Brand, W. Newton Smith, Baltimore, Md.	Windber, Weaver & Berkey.	104	7.66	38.75	38.62-43
		Average, -----		8.02	40.33	-----
6310	Aurora Brand, The Southern Cotton oil Co., Charlotte, N. C.	York, Anderson Bros & Co.,	110	7.01	39.50	41.00
6553	Aurora Brand, The Southern Cotton oil Co., Charlotte, N. C.	Sunbury, Blank & Gottshall.	353	7.66	42.31	41.00
6705	Aurora Brand, The Southern Cotton oil Co., Charlotte, N. C.	Carlisle, S. B. Jackson, --	505	7.84	41.31	41.00
6756	Aurora Brand, The Southern Cotton oil Co., Charlotte, N. C.	Miffin, Manbeck-Nelson & Co.	556	7.66	43.56	41.00
6316	Aurora Brand, The Southern Cotton oil Co., Charlotte, N. C.	York, P. A. and S. Small Co.	116	7.64	42.56	41.00
6750	Aurora Brand, The Southern Cotton Oil Co., Charlotte, N. C.	Millerstown, A. H. Ulsh,	550	6.76	43.09	41.00
		Average, -----		6.64	41.46	-----
6254	Bonita Brand, Southern Cotton Oil Co., Charlotte, N. C.	Bareville, M. S. Graybill & Son.	54	7.39	40.25	38.62-40
7068	Bonita Brand, Southern Cotton Oil Co., Charlotte, N. C.	Huntingdon, Huntingdon Milling Co.	868	7.78	37.00	38.62-40
6230	Bonita Brand, Southern Cotton Oil Co., Charlotte, N. C.	Manheim, F. K. Nauman,--	30	8.13	39.56	38.62-40
		Average, -----		7.76	38.94	-----
7412	Suco, The Sugarine Co., Chicago, Ill.	Chester, T. Frank McCall,	1212	7.89	39.38	41.00
7075	Star Brand, J. Lindsay Wells Co., Memphis, Tenn.	Holsopple, The White-Oak Milling Co., Inc.	875	8.53	40.63	41.00
6806	Sun Brand, J. Lindsay Wells Co., Memphis, Tenn.	St. Marys, Jacob & Keller,	666	7.35	40.00	41-45
6563	Sun Brand, J. Lindsay Wells Co., Memphis, Tenn.	Milton, C. H. McMahan, --	363	7.53	40.31	41-45

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 7.40	Per ct. 6.00	Per ct. 7.30	Per ct. 10.00	\$1 60	Pressed cottonseed, ----	As certified, -----	6738
7.07	-----	9.15	-----	1 70			
7.93	7-9	8.47	8-10	1 75	Pressed cottonseed, ----	As certified, -----	6593
8.03	7-9	10.98	9-10.5	34 00	Decorticated cottonseed,--	As certified, -----	6797
8.45	7-9	7.20	9-10.5	1 70	Decorticated cottonseed,--	As certified, -----	7530
8.03	7-9	8.75	9-10.5	1 65	Decorticated cottonseed,--	As certified, -----	6731
7.65	7-9	10.40	9-10.5	1 70	Decorticated cottonseed,--	As certified, -----	6805
8.63	7-9	9.75	9-10.5	1 75	Decorticated cottonseed,--	As certified, -----	6304
8.16	-----	9.41	-----	21 40			
7.50	7.00	11.84	10.00	32 00	Made from cottonseed,--	As certified, -----	6310
6.95	7.00	10.70	10.00	34 00	Made from cottonseed,--	As certified, -----	6553
7.75	7.00	5.30	10.00	33 00	Made from cottonseed,--	As certified, -----	6705
7.55	7.00	8.10	10.00	1 70	Made from cottonseed,--	As certified, -----	6756
7.50	7.00	10.80	10.00	32 00	Made from cottonseed,--	As certified, -----	6316
8.38	7.00	7.60	10.00	1 90	Made from cottonseed,--	As certified, -----	6750
7.61	-----	9.05	-----	33 83			
6.50	6.00	10.52	10.00	34 00	Made from cottonseed,--	As certified, -----	6254
7.75	6.00	10.78	10.00	1 65	Made from cottonseed,--	As certified, -----	7068
7.35	6.00	10.05	10.00	34.00	Made from cottonseed,--	As certified, -----	6230
7.20	-----	10.45	-----	33 67			
10.90	8.00	9.85	10.00	55 00	Cottonseed product, ----	As certified, -----	7412
10.60	9.00	8.45	7.00	1 85	Decorticated cottonseed,--	As certified, -----	7075
10.10	7-8	9.15	9-10	1 65	Decorticated cottonseed,--	As certified, -----	6866
8.35	7-8	11.85	9-10	32 50	Decorticated cottonseed,--	As certified, -----	6563

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
6632	Sun Brand, J. Lindsay Wells Co., Memphis Tenn.,	Charleroi, R. C. Mountser,	432	Per ct. 8.43	Per ct. 40.50	Per ct. 41-45
		Average, -----		7.77	40.27	-----
		Total average, -----		7.60	40.87	-----
	Linseed Meal, N. P.					
6311	Cleveland Flaxmeal, American Linseed Co., Chicago, Ill.	York, Anderson Bros. & Co.	111	8.74	38.63	36-40
7385	Cleveland Flaxmeal, American Linseed Co., Chicago, Ill.	Doylestown, Henry S. Beidler.	1185	8.66	37.56	36-40
7524	Cleveland Flaxmeal, American Linseed Co., Chicago, Ill.	Littlestown, D. E. Buckey & Son.	1324	9.21	37.25	36-40
6317	Cleveland Flaxmeal, American Linseed Co., Chicago, Ill.	York, P. A. and S. Small Co.	117	8.41	38.63	36-40
7317	Cleveland Flaxmeal, American Linseed Co., Chicago, Ill.	Pottstown, S. B. Wagener & Co.	1117	8.39	37.44	36-40
7360	Cleveland Flaxmeal, American Linseed Co., Chicago, Ill.	Ambler, J. Watson Craft,--	1160	8.26	37.44	36-40
6350	Cleveland Flaxmeal, American Linseed Co., Chicago, Ill.	Hanover, W. J. Young & Co.	150	9.30	36.25	36-40
		Average, -----		8.71	37.60	-----
7346	Pure Flax meal, American Linseed Co., New York, N. Y.	West Point, Heebner & Kriebel.	1146	9.09	38.31	36-40
7091	----- American Linseed Co., Chicago, Ill.	New Castle, Fisher & Mengle.	894	9.04	38.69	36-40
7353	----- American Linseed Co., Chicago, Ill.	Lansdale, A. C. Godshall & Co.	1153	9.05	39.56	36-40
		Average, -----		9.04	39.13	-----
		Total average, -----		8.81	37.98	-----
	Linseed Meal, O. P.					
7499	----- American Linseed Co., New York, N. Y.	Corry, Aeme Milling Co., --	1599	10.63	35.06	34.00
7384	----- American Linseed Co., New York, N. Y.	Doylestown, Henry S. Beidler.	1184	9.02	34.13	34.00
6480	----- American Linseed Co., New York, N. Y.	Wellshere, Equity Co-operative Exchange.	280	10.65	36.19	34.00
7454	----- American Linseed Co., New York, N. Y.	Carnegie, C. A. Foster, ---	1254	9.58	36.88	32.36
6898	----- American Linseed Co., New York, N. Y.	Catawissa, M. J. Grimes & Bro.	698	9.92	36.38	34.00
6516	----- American Linseed Co., New York, N. Y.	Smethport, C. Herzog, ----	316	8.80	37.88	34.00
6234	----- American Linseed Co., New York, N. Y.	Manheim, F. K. Nauman,	34	10.73	36.25	34.00
6832	----- American Linseed Co., New York, N. Y.	Philipsburg, J. O. Reed, ---	632	7.03	36.91	32-36
7206	----- American Linseed Co., New York, N. Y.	Montrose, T. A. Roberts, --	1006	9.38	35.91	34.00
6236	----- American Linseed Co., New York, N. Y.	Lancaster, G. H. Shreiner & Son.	36	10.90	36.00	34.00
6531	----- American Linseed Co., New York, N. Y.	Troy, Snedeker & Mitchell,	384	10.33	37.13	34.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or ewt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 8.80	Per ct. 7-8	Per ct. 10.85	Per ct. 9-10	\$1 80	Decorticated cottonseed,	As certified, -----	6632
9.08	-----	10.61	-----	33 83			
8.14	-----	9.13	-----	34 23			
2.10	1-3	9.00	6-7.5	2 10	-----	New process oil meal,	6311
3.15	1-3	9.15	6-7.5	1 85	-----	New process oil meal,	7385
2.95	1-3	9.07	6-7.5	2 00	-----	New process oil meal,	7524
2.40	1-3	9.52	6-7.5	41 00	-----	New process oil meal,	6317
4.83	1-3	7.80	6-7.5	38 00	-----	New process oil meal,	7317
2.50	1-3	8.90	9.5-11.5	42 00	-----	New process oil meal,	7360
3.80	1-3	9.35	6-7.5	2 50	-----	New process oil meal,	6350
3.10	-----	8.97	-----	41 43			
3.30	1-3	8.50	9.5-11.5	37 00	-----	New process oil meal,	7346
2.10	1-3	8.85	6-7.5	2 00	-----	New process oil meal,	7094
2.65	1-3	8.15	6-7.5	2 00	-----	New process oil meal,	7353
2.38	-----	8.50	-----	2 00			
2.98	-----	8.82	-----	40 70			
6.15	5.00	8.20	8.00	2 00	-----	Linseed oil meal, -----	7499
5.85	5.00	8.45	8.00	37 00	-----	Linseed oil meal, -----	7384
6.45	5.00	8.22	8.00	2 10	-----	Linseed oil meal, -----	6480
6.50	5-7	7.50	5.5-7	36 00	-----	Linseed oil meal, -----	7455
5.40	5.00	8.17	8.00	2 20	-----	Linseed oil meal, -----	6898
5.35	5.00	8.00	8.00	2 25	-----	Linseed oil meal, -----	6516
6.15	5.00	7.85	8.00	45 00	-----	Linseed oil meal, -----	6234
6.70	5-7	7.90	5.5-7	2 50	-----	Linseed oil meal, -----	6832
5.75	5.00	8.10	8.00	2 20	-----	Linseed oil meal, -----	7206
5.70	5.00	7.85	8.00	2 20	-----	Linseed oil meal, -----	6236
5.93	5.00	7.80	8.00	2 15	-----	Linseed oil meal, -----	6584

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
6590	----- American Linseed Co., New York, N. Y.	Troy, H. M. Spalding & Son.	390	Per ct 9.17	Per ct 37.50	Per ct. 34.00
6405	----- American Linseed Co., New York, N. Y.	Palmyra, A. S. Stauffer, --	205	9.62	36.88	34.00
6283	----- American Linseed Co., New York, N. Y.	Johnstown, Swope Bros., --	83	8.81	38.56	32-36
		Average, -----		9.61	36.55	-----
7511	Amco, American Milling Co., Chicago, Ill.	New Oxford, J. H. Duttera,	1311	8.82	32.13	32.00
6783	Amco, American Milling Co., Chicago, Ill.	West Chester, E. D. Hemp-hill.	583	9.93	33.81	32.00
		Average, -----		9.37	32.97	-----
6373	Ground Oil Cake, Archer-Daniels Linseed Co., Min-neapolis, Minn.	Mechanicsburg, A. B. Har-nish.	173	8.69	37.06	32.00
6411	Ground Oil Cake, Archer-Daniels Linseed Co., Min-neapolis, Minn.	Lehanon, A. M. Weltmer's Sons.	211	8.54	37.38	32.00
		Average, -----		8.61	37.22	-----
6510	----- Hauenstein & Co., Buffalo, N. Y.	Bradford, Smith Bros., ---	310	9.47	33.38	30-37
7584	----- Hirst & Begley Lin-seed Co., Chicago, Ill.	East Pittshurgh, James Beech & Son.	1384	6.82	36.56	34.00
7215	----- The Guy G. Major Co., Toledo, Ohio.	Tunkhannock, Brown & Fas-sett.	1015	8.42	33.38	30-36
6798	----- The Guy G. Major Co., Toledo, Ohio.	West Grove, S. K. Chambers & Bro.	598	8.52	33.88	30-36
6545	----- The Guy G. Major Co., Toledo, Ohio.	Mifflinburg, R. Foster & Son.	345	8.81	34.25	30-36
6665	----- The Guy G. Major Co., Toledo, Ohio.	Butler, H. J. Klingler & Co.	465	9.55	32.81	30-36
6757	----- The Guy G. Major Co., Toledo, Ohio.	Mifflin, Manbeck-Nelson & Co.	557	9.20	34.06	30-36
6345	----- The Guy G. Major Co., Toledo, Ohio.	Spring Grove, Menges Bros. & Stauffer.	145	8.54	34.88	30-36
7483	----- The Guy G. Major Co., Toledo, Ohio.	Erie, W. D. Ripley, -----	1283	9.59	33.44	30-36
6989	----- The Guy G. Major Co., Toledo, Ohio.	Hickory, Robinson & Cald-well.	789	8.85	32.13	30-36
6859	----- The Guy G. Major Co., Toledo, Ohio.	Ridgway, Smith Bros. Co.,	659	9.84	33.00	30-36
6872	----- The Guy G. Major Co., Toledo, Ohio.	DuBois, A. T. Sprankle, ---	672	8.86	32.63	30-36
6828	----- The Guy G. Major Co., Toledo, Ohio.	Tyrone, Tyrone Milling Co.,	628	8.05	34.19	30-36
7316	----- The Guy G. Major Co., Toledo, Ohio.	Pottstown, S. B. Wagener & Co.	1116	8.69	33.88	30-36
6818	----- The Guy G. Major Co., Toledo, Ohio.	Ford City, J. E. Walker,	618	7.70	33.06	30-36
6259	----- The Guy G. Major Co., Toledo, Ohio.	Gap, Jos. C. Walker & Sons Co.	59	8.60	34.19	30-36
		Average, -----		8.80	33.56	-----
6400	----- The Mann Bros. Co., Buffalo, N. Y.	Palmyra, Early & Detweiler,	200	10.63	35.50	34-37
6450	Pure, The Mann Bros. Co., Buffalo, N. Y.	Emporium, Emporium Mill-ing Co.	250	10.62	36.63	34-37

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
5.20	5.00	8.40	8.00	\$2 15	-----	Linseed oil meal, -----	6590
6.75	5.00	7.62	8.00	44 00	-----	Linseed oil meal, -----	6405
5.75	5-7	7.85	5.5-7	42 00	-----	Linseed oil meal, -----	6283
5.97	-----	7.99	-----	42 79	-----		
6.30	6.00	9.10	11.00	1 90	Flaxseed product, -----	As certified, -----	7511
8.10	6.00	9.20	11.00	46 00	Flaxseed product, -----	As certified, -----	6783
7.20	-----	9.15	-----	42 00	-----		
6.23	6.00	7.97	10.00	2 20	-----	Linseed oil meal, -----	6373
6.63	6.00	8.80	10.00	40 00	-----	Linseed oil meal, -----	6411
6.43	-----	8.38	-----	42 00	-----		
8.03	5-7	8.22	6-10	2 25	-----	Linseed oil meal, -----	6510
8.10	9.00	8.65	8.00	2 25	-----	Linseed oil meal, -----	7584
6.73	5-7	8.77	2-10	2 10	-----	Linseed oil meal, -----	7215
6.35	5-7	9.80	2-10	42 00	-----	Linseed oil meal, -----	6798
5.93	5-7	9.15	2-10	2 40	-----	Linseed oil meal and residue of bind weed and foxtail.	6545
7.23	5-7	8.30	2-10	2 25	-----	Linseed oil meal, -----	6665
7.00	5-7	9.10	2-10	2 40	-----	Linseed oil meal, -----	6757
5.20	5-7	7.92	2-10	2 25	-----	Linseed oil meal and considerable proportion of weedseed tissues.	6345
6.20	5-7	8.60	2-10	1 90	-----	Linseed oil meal, -----	7483
7.05	5-7	9.57	2-10	2 00	-----	Linseed oil meal, -----	6989
6.45	5-7	9.25	2-10	2 50	-----	Linseed oil meal, -----	6859
6.45	5-7	8.80	2-10	2 25	-----	Linseed oil meal, -----	6872
5.80	5-7	8.40	2-10	2 10	-----	Linseed oil meal, -----	6828
6.40	5-7	7.75	2-10	35 00	-----	Linseed oil meal, -----	7316
5.82	5-7	8.62	2-10	2 35	-----	Linseed oil meal, -----	6818
7.25	5-7	9.12	2-10	41 00	-----	Linseed oil meal and considerable proportion of weedseed tissues.	6259
6.42	-----	8.79	-----	43.43	-----		
8.60	6-7	7.82	5-10	2 25	-----	Linseed oil meal, -----	6400
7.65	6-7	7.87	5-10	2 20	-----	Linseed oil meal, -----	6450

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
7170	----- The Mann Bros. Co., Buffalo, N. Y.	Franklin, J. H. Lavery, ---	970	Per ct. 9.61	Per ct. 35.56	Per ct. 34-37
6456	Pure, The Mann Bros. Co., Buffalo, N. Y.	Port Allegany, Port Allegany Milling Co.	256	10.62	35.31	34-37
		Average, -----		10.37	35.75	-----
6298	----- The Metzger Seed and Oil Co., Toledo, Ohio.	South Fork, J. E. Crisman,	98	8.77	34.25	30-36
6474	----- The Metzger Seed and Oil Co., Toledo, Ohio.	Knoxville, Deerfield Milling Co.	274	9.37	34.88	30-36
6722	----- The Metzger Seed and Oil Co., Toledo, Ohio.	Chambersburg, Diehl, Omwake & Diehl.	522	9.13	35.25	30-36
7136	----- The Metzger Seed and Oil Co., Toledo, Ohio.	Reynoldsville, Fales Grocery Co.	936	9.59	34.00	30-36
6424	----- The Metzger Seed and Oil Co., Toledo, Ohio.	Danville, Hancy-Frazier Milling Co.	224	8.90	35.75	30-36
6888	----- The Metzger Seed and Oil Co., Toledo, Ohio.	New Kensington, J. A. Hawk.	688	8.84	32.75	30-36
6341	----- The Metzger Seed and Oil Co., Toledo, Ohio.	York, F. Loucks & Son, --	141	9.02	36.94	30-36
6845	----- The Metzger Seed and Oil Co., Toledo, Ohio.	Clearfield, Ross & Woods, --	645	9.09	32.19	30-36
7245	----- The Metzger Seed and Oil Co., Toledo, Ohio.	New Stanton, Jas. F. Stanton & Sons.	1045	9.08	33.50	30-36
		Average, -----		9.08	34.39	-----
6460	Pure, National Feed Co., St. Louis, Mo.	Coudersport, Eulalia Mills,	260	8.60	35.69	34.00
6466	Pure, National Feed Co., St. Louis, Mo.	Coudersport, Gates Bros.---	266	8.87	35.94	34.00
		Average, -----		8.73	35.82	-----
6692	----- National Lead and Oil Co. of Penna., Pittsburgh, Pa.	Mars, Mars Milling & Feed Co.	492	8.70	37.06	32.00
6856	----- National Lead and Oil Co. of Penna., Pittsburgh, Pa.	Indiana, St. Clair, Rinn & Co.	656	9.39	35.25	32.00
		Average, -----		9.04	36.16	-----
6635	----- The Sherman-Williams Co., Cleveland, Ohio.	Charleroi, R. C. Mountser,	435	8.62	35.94	33.00
7160	----- The Sherman-Williams Co., Cleveland, Ohio.	Oil City, Oil City Milling Co.	960	9.18	33.00	33.00
		Average, -----		8.90	34.47	-----
6640	Oil Meal as Stock Food, Thompson & Co., Allegheny, Pa.	Beaver Falls, John G. Allen,	440	9.50	33.88	32-37.5
6813	Oil Meal as Stock Food, Thompson & Co., Allegheny, Pa.	Kittanning, William Gates Estate.	613	9.00	34.44	30-37.5
6605	Oil Meal as Stock Food, Thompson & Co., Allegheny, Pa.	Latrobe, K. & L. Golde,	405	7.98	34.94	30-37.5
7565	Oil Meal as Stock Food, Thompson & Co., Allegheny, Pa.	McKeesport, Keystone Commercial Co.	1365	8.23	35.69	30-37.5
7243	Oil Meal as Stock Food, Thompson & Co., Allegheny, Pa.	Jeannette, Keystone Supply Co.	1043	8.05	37.19	30-37.5

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
7.15	6-7	8.22	5-10	\$2 40	-----	Linseed oil meal, -----	7170
8.60	6-7	7.75	5-10	2 25	-----	Linseed oil meal, -----	6456
8.00	-----	7.91	-----	2 28	-----		
7.83	5-7	9.17	2-10	1 90	-----	Linseed oil meal and considerable proportion of weedseed tissues.	6298
6.70	5-7	8.32	2-10	2 50	-----	Linseed oil meal, -----	6474
6.85	5-7	8.15	2-10	2 25	-----	Linseed oil meal, -----	6722
7.10	5-7	8.20	2-10	2 25	-----	Linseed oil meal, -----	7136
6.73	5-7	8.45	2-10	2 20	-----	Linseed oil meal, -----	6424
7.93	5-7	8.90	2-10	2 50	-----	Linseed oil meal, -----	6888
6.73	5-7	7.60	2-10	2 25	-----	Linseed oil meal and considerable proportion of weedseed tissues.	6341
7.10	5.7	9.30	2-10	2 50	-----	Linseed oil meal, -----	6845
6.70	5-7	8.70	2-10	2 10	-----	Linseed oil meal, -----	7245
7.07	-----	8.53	-----	2 27	-----		
8.90	7.00	7.30	7.00	2 10	-----	Linseed oil meal, -----	6460
8.65	7.00	7.42	7.00	2 25	-----	Linseed oil meal, -----	6466
8.73	-----	7.36	-----	2 18	-----		
7.10	5.20	8.50	9.10	2 30	-----	Linseed oil meal, -----	6692
9.40	5.20	7.85	9.10	2 25	-----	Linseed oil meal, -----	6856
8.25	-----	8.17	-----	2 28	-----		
10.40	6.00	7.80	8.00	43 00	-----	Linseed oil meal, -----	6635
6.40	6.00	8.32	8.00	2 15	-----	Linseed oil meal, -----	7160
8.40	-----	8.06	-----	42 00	-----		
6.60	5.5-8.5	8.67	6-11	2 35	-----	Linseed oil meal, -----	6640
8.00	5.5-8.5	8.30	6-11	2 35	-----	Linseed oil meal, -----	6813
6.05	5.5-8.5	8.40	6-11	2 50	-----	Linseed oil meal, -----	6605
6.90	5.5-8.5	8.32	6-11	40 00	-----	Linseed oil meal, -----	7565
6.80	5.5-8.5	7.87	6-11	2 50	-----	Linseed oil meal, -----	7243

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
7037	Oil Meal as Stock Food, Thompson & Co., Allegheny, Pa.	Scottdale, F. V. Perry, ---	837	Per et. 8.83	Per et. 36.19	Per et. 30-37.5
7590	Oil Meal as Stock Food, Thompson & Co., Allegheny, Pa.	Turtle Creek, F. J. Riddle,	1390	8.76	34.75	30-37.5
7549	Oil Meal as Stock Food, Thompson & Co., Allegheny, Pa.	Clarion, B. W. Thompson,	1349	8.90	30.50	30-37.5
		Average, -----		8.64	34.70	-----
		Total average, -----		9.11	35.00	-----
	Linseed Meal with Admixtures.					
6571	Old Process Laxo-Cake Meal, Laxo-Cake Meal Co., Chicago, Ill.	Williamsport, F. W. Dawson & Son.	371	9.76	27.13	25-28
7456	Old Process Laxo-Cake Meal, Laxo-Cake Meal Co., Chicago, Ill.	Carnegie, C. A. Foster, ---	1256	7.39	26.56	25-28
6826	Old Process Laxo-Cake Meal, Laxo-Cake Meal Co., Chicago, Ill.	Parnassus, Johnston & Hamilton.	626	9.02	26.00	25-28
6511	Old Process Laxo-Cake Meal, Laxo-Cake Meal Co., Chicago, Ill.	Bradford, Smith Bros., ----	311	7.76	27.25	25-28
7014	Old Process Laxo-Cake Meal, Laxo-Cake Meal Co., Chicago, Ill.	Houston, W. M. Templeton.	814	7.03	27.13	25-28
		Average, -----		8.19	26.81	-----
	Corn Oil Meal.					
7174	----- Miner-Hillard Milling Co., Seranton, Pa.	Seranton, Miner-Hillard Milling Co.	974	6.09	16.69	-----
	DISTILLERY AND BREWERY BY-PRODUCTS.					
	Distillers' Grains (Largely From Corn.)					
6497	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Wellsboro, Geo. C. & F. A. Brooks.	297	4.81	31.63	31-33
6201	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Lancaster, John W. Eshelman.	1	5.44	30.06	30-33
6372	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Mechanicsburg, A. B. Harnish.	172	5.59	32.44	27.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
7.50	5.5-8.5	7.90	6-11	\$2 25	-----	Linseed oil meal, -----	7037
7.15	5.5-8.5	9.22	6-11	2 25	-----	Linseed oil meal, -----	7590
6.65	5.5-8.5	8.50	6-11	2 25	-----	Linseed oil meal, -----	7549
6.96	-----	8.39	-----	2 51			
6.87	-----	8.35	-----	44 07			
9.45	8-10	9.92	7-11	2 35	Crude flaxseed with the ordinary field seeds.	As certified, -----	6571
8.95	8-10	9.20	7-11	35 00	Unscreened flaxseed from which the ordinary field weed seeds, such as little buckwheat, foxtail, mustard, pig weed, rape, bindweed, etc., have not been separated, and is thoroughly cooked and sterilized.	As certified, -----	7456
8.90	8-10	10.20	7-11	2 25	Crude flaxseed with the ordinary field seeds.	As certified, -----	6826
7.85	8-10	10.22	7-11	2 10	Crude flaxseed with the ordinary field seeds.	As certified, -----	6511
7.60	8-10	9.95	7-11	38 00	Unscreened flaxseed from which the ordinary field weed seeds such as little buckwheat, foxtail, mustard, pigweed, rape, bindweed, etc., have not been separated and is thoroughly cooked and sterilized.	As certified, -----	7014
8.55	-----	9.89	-----	41 40			
3.88	-----	4.60	-----	-----	-----	Corn oil meal, -----	7174
13.50	12.00	11.15	12-14	1 75	-----	Distillers' grains (largely from corn).	6497
14.40	11-14	12.39	12-14	33 50	-----	Distillers' grains (largely from corn).	6201
13.70	11.00	12.45	14.00	1 76	-----	Distillers' grains (largely from corn).	6372

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
7312	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Pottstown, A. K. Kulp, ---	1112	Per ct. 4.83	Per ct. 32.44	Per ct. 30-33
6469	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Westfield, H. Z. Pride & Son.	269	5.48	32.63	30-33
7477	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Erie, W. D. Ripley, -----	1277	5.86	31.25	30.00
6719	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Newville, S. E. Shenk, ----	519	6.51	30.19	30-33
6251	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Leola, H. M. Stauffer, ----	51	5.19	30.69	31-33
7492	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Union City, Union Coal and Supply Co.	1292	6.17	31.44	30.00
6713	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Shippensburg, Wadel & Diehl,	513	6.67	31.44	30-33
6262	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Gap, Jos. C. Walker & Sons Co.	62	6.20	31.00	30-33
		Average, -----		5.70	31.33	-----
6325	Pure, M. F. Baringer, Philadelphia, Pa.	York, J. W. Mitzel, -----	125	6.42	30.06	31.00
6499	Fourx, The J. W. Biles Co., Cincinnati, Ohio.	Wellsboro, Geo. C. and F. A. Brooks.	299	5.02	33.33	31.00
6676	Fourx, The J. W. Biles Co., Cincinnati, Ohio.	Butler, George Walter & Sons.	476	2.94	31.63	31.00
7290	Fourx, The J. W. Biles Co., Cincinnati, Ohio.	Reading, Aug. C. Wertz & Bro.	1090	6.64	30.31	31.00
		Average, -----		4.86	31.77	-----
7208	Continental Gluten Feed, Continental Cereal Co., Peoria, Ill.	Montrose, J. C. Harrington.	1008	7.02	30.75	29-34
7475	Corn Three D, The Dewey Bros. Co., Blanchester, Ohio.	Erie, W. J. Carroll, -----	1275	8.92	26.44	26.33
6695	Eagle Three D, The Dewey Bros. Co., Blanchester, Ohio.	Butler, B. F. Shannon & Co.	495	8.73	28.19	30-38
7486	Hector, Hottel & Co., Milwaukee, Wis.	Erie, A. P. Allen, -----	1286	5.57	32.13	30-33
7473	Hector, Hottel & Co., Milwaukee, Wis.	Erie, W. J. Carroll, -----	1273	5.19	32.56	30-33
		Average, -----		5.38	32.35	-----
6470	Empire State Dairy Feed, J. D. Page & Co., Syracuse, N. Y.	Knoxville, Deerfield Milling Co.	270	5.50	32.69	29.33
		Total average, -----		5.93	31.11	-----
	Distillers' Grains (Largely from Rye).					
6503	Buckeye Gluten Feed, The Dewey Bros. Co., Blanchester, Ohio.	Bradford, L. A. Fischer & Co.	303	5.91	20.94	20.00
6587	----- Rohr McHenry Distilling Co., Benton, Pa.	Troy, H. M. Spalding & Son.	387	7.16	14.63	15.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 14.25	Per ct. 11-14	Per ct. 11.40	Per ct. 12-14	\$31 00	-----	Distillers' grains (large- ly from corn).	7312
14.90	11-14	12.90	12-14	1 75	Dried distillers' grains,--	Distillers' grains (large- ly from corn).	6469
11.80	11.00	10.35	14.00	32 00	Dried distillers' grains,--	Distillers' grains (large- ly from corn).	7477
13.50	11-14	10.60	12-14	32 00	-----	Distillers' grains (large- ly from corn).	6719
15.00	12.00	10.90	12.14	33 00	-----	Distillers' grains (large- ly from corn).	6251
12.85	11.00	9.50	14.00	1 75	Dried distillers' grains,--	Distillers' grains (large- ly from corn).	7492
12.90	11-14	11.85	12-14	2 00	-----	Distillers' grains (large- ly from corn).	6713
13.28	11-14	9.55	12-14	35 00	-----	Distillers' grains (large- ly from corn).	6262
13.64	-----	11.18	-----	34 25			
13.85	12.00	8.12	13.00	1 65	-----	Distillers' grains (large- ly from corn).	6325
13.08	12.00	11.50	13.00	1 75	-----	Distillers' grains (large- ly from corn).	6499
13.15	12.00	11.45	13.00	1 75	Distillers' dried grains,--	Distillers' grains (large- ly from corn).	6676
16.35	12.00	9.45	13.00	35 00	Distillers' dried grains,--	Distillers' grains (large- ly from corn).	7290
14.19	-----	10.80	-----	35 00			
14.33	12.5-14.5	7.97	10.5-8.5	1 70	A distillery by-product,--	Distillers' grains (large- ly from corn).	7208
11.00	9-14	7.50	8-13	32 00	Distillers' dried grains,--	Distillers' grains (large- ly from corn).	7475
15.35	10-15	9.70	8-13	1 80	Distillers' dried grains,--	Distillers' grains (large- ly from corn).	6695
13.45	10-12	11.10	14.00	33 00	-----	Distillers' grains (large- ly from corn).	7486
12.30	10-12	11.60	14.00	32 00	-----	Distillers' grains (large- ly from corn).	7473
12.88	-----	11.35	-----	32 50			
14.33	12-14	11.85	9.75-12	1 65	-----	Distillers' grains (large- ly from corn).	6470
13.68	-----	10.63	-----	34 03			
6.53	5.00	12.20	15.00	28 00	Distillers' dried grains,--	Distillers' grains (large- ly from rye).	6503
10.00	10.00	11.27	16.00	1 35	-----	Distillers' grains (large- ly from rye).	6587

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
7447	----- Thompson Distilling Co., West Brownsville, Pa.	Wilkinsburg, Johnston & Smith.	1247	Per ct. 7.30	Per ct. 16.75	Per ct. 14.00
	Brewers' Grains.	Average, -----		6.79	17.44	-----
7189	Steam Dried, Annheuser-Busch Brewing Co., St. Louis, Mo.	East Stroudsburg, J. M. Wyckoff.	989	5.42	20.31	21-27
7342	----- Atlantic Export Co. of Wisconsin, Chicago, Ill.	West Point, Heebner & Kriebel.	1142	6.03	29.31	24-27
7328	----- Atlantic Export Co. of Wisconsin, Chicago, Ill.	Norristown, W. and H. Rhoades.	1128	6.85	32.25	24-27
7588	----- Atlantic Export Co. of Wisconsin, Chicago, Ill.	Turtle Creek, F. J. Riddle,	1388	5.49	25.56	24-27
		Average, -----		6.12	29.04	-----
6284	----- Conemaugh Brewing Co., Conemaugh, Pa.	Johnstown, Swope Bros., --	84	6.80	25.06	24.00
7141	----- DuBois Brewing Co., DuBois, Pa.	Brockwayville, McCauley, McKay & Co.	941	7.30	29.25	23.00
7387	Holstein, Hottelet & Co., Milwaukee, Wis.	Doylestown, Henry S. Beidler.	1187	6.75	28.13	25-27
7341	Holstein, Hottelet & Co., Milwaukee, Wis.	West Point, Heebner & Kriebel.	1141	6.63	27.81	25-27
7357	Holstein, Hottelet & Co., Milwaukee, Wis.	Ambler, J. Watson Craft,	1157	6.87	28.19	25-27
		Average, -----		6.75	28.04	-----
7465	----- Masontown Brewing Co., Masontown, Pa.	Braddock, N. Goldstein, ---	1265	6.58	27.25	25.11
7418	Crown, Milwaukee Grains and Feed Co., Milwaukee, Wis.	Paoli, Edward F. Bracken,	1218	6.42	27.94	25.00
6581	Crown, Milwaukee Grains and Feed Co., Milwaukee, Wis.	Bedford, Davidson Bros.,---	751	6.00	28.19	25.00
7348	Crown, Milwaukee Grains and Feed Co., Milwaukee, Wis.	West Point, L. W. Mattern,	1148	6.80	28.56	25.00
7222	Crown, Milwaukee Grains and Feed Co., Milwaukee, Wis.	Meshoppen, Roberts & Sherwood.	1022	7.50	24.69	25.00
		Average, -----		6.68	27.35	-----
6562	----- The Peun. Central Brewing Co., Scranton, Pa.	Milton, C. H. McMahan, --	362	4.35	22.06	23.71
7416	----- Pittsburgh Brewing Co., Pittsburgh, Pa.	Wilkinsburg, Johnston & Smith.	1246	4.90	25.06	24-27
7594	----- Pittsburgh Brewing Co., Pittsburgh, Pa.	Braddock, Irwin Muir, -----	1324	6.06	24.63	24-27
		Average, -----		5.48	24.85	-----
7304	----- Pottsville Feed Co., Pottsville, Pa.	Pottsville, Pottsville Feed Co.	1104	5.32	27.19	24.69
6225	Pilsner, Rosekrans-Snyder Co., Philadelphia, Pa.	Manheim, B. B. Hollinger,	25	6.89	26.38	25.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 8.40	Per ct. 7.00	Per ct. 12.20	Per ct. 14.00	\$1 30	-----	Distillers' grains (largely from rye).	7447
8.31	-----	11.89	-----	27 00			
7.62	8-9	17.87	15-18	31 00	-----	Brewers' dried grains,--	7189
6.80	5-7	12.15	13-17	29 00	-----	Brewers' dried grains,--	7342
7.08	5-7	12.50	13-17	30 00	-----	Brewers' dried grains,--	7328
6.50	5-7	14.15	13-17	29 00	-----	Brewers' dried grains,--	7588
6.79	-----	12.93	-----	29 33			
6.45	6.00	14.47	15.00	25 00	Dried brewers' grains,--	Brewers' dried grains,--	6284
6.15	6.00	12.60	20.00	1 50	-----	Brewers' dried grains,--	7141
7.80	5-7	14.10	14.17	28 00	-----	Brewers' dried grains,--	7387
6.75	5-7	12.47	14-17	29 00	-----	Brewers' dried grains,--	7341
7.70	5-7	13.67	14-17	30 00	-----	Brewers' dried grains,--	7357
7.42	-----	13.41	-----	29 00			
6.90	6.23	14.40	18.73	1 25	-----	Brewers' dried grains,--	7465
7.28	5.00	13.80	15.00	30 00	-----	Brewers' dried grains,--	7418
7.15	5.00	15.75	15.00	1 65	-----	Brewers' dried grains,--	6981
7.45	5.00	13.25	15.00	28 00	-----	Brewers' dried grains,--	7348
6.75	5.00	14.09	15.00	1 50	-----	Brewers' dried grains,--	7222
7.16	-----	14.44	-----	30 25			
7.58	7.14	17.50	-----	25 00	-----	Brewers' dried grains,--	6562
8.25	5.5-7.5	15.50	17.59	1 50	-----	Brewers' dried grains,--	7446
7.80	5.5-7.5	15.15	17.59	1 40	-----	Brewers' dried grains,--	7594
8.03	-----	15.32	-----	1 45			
7.05	6.88	15.70	16.25	1 10	-----	Brewers' dried grains,--	7304
8.03	5.00	15.10	18.00	27 00	-----	Brewers' dried grains,--	6225

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
6790	Pilsner, Rosckrans-Snyder Co., Philadelphia, Pa.	Embreeville, R. G. Smith & Son.	590	Per ct. 7.17	Per et. 26.63	Per et. 25.60
		Average, -----		7.03	26.51	-----
7374	Schlitz Purity, Jos. Schlitz Brewing Co., Milwaukee, Wis.	Eagle Hill, James E. McCaughey.	1174	6.98	25.75	24.00
6917	----- Stegmaier Brewing Co., Wilkes-Barre, Pa.	Wilkes-Barre, Kirkendall Son Co.	717	7.65	25.13	23.70
6899	----- Stegmaier Brewing Co., Wilkes-Barre, Pa.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	699	7.46	29.13	23.70
6913	----- Stegmaier Brewing Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	713	4.27	29.44	23.70
6920	----- Stegmaier Brewing Co., Wilkes-Barre, Pa.	Wilkes-Barre, Robbins Milling Co.	720	6.41	28.63	23.70
		Average, -----		6.44	28.08	-----
	Malt Sprouts.	Total average, -----		6.35	26.90	-----
7482	----- American Malting Co., Buffalo, N. Y.	Erie, W. D. Ripley, -----	1282	7.06	26.63	21.35
7190	----- Charles, G. Curtiss Co., Buffalo, N. Y.	East Stroudsburg, J. M. Wyckoff.	990	6.28	24.56	24.00
6566	----- George J. Meyer Malting Co., Buffalo, N. Y.	Milton, C. H. McMahan, --	366	3.25	30.00	20.82
7485	----- Unknown, -----	Erie, A. P. Allen, -----	1285	10.30	24.56	20-25
7470	----- Unknown, -----	Erie, W. J. Carroll, -----	1270	7.61	24.94	20-25
		Average, -----		6.90	26.14	-----
	MAIZE BY-PRODUCTS.					
	Gluten Feed.					
6402	Cream of Corn, American Maize Products Co., Roby, Ind.	Palmira, Early & Detweiler,	202	8.83	26.19	23-25
6459	Cream of Corn, American Maize Products Co., Roby, Ind.	Coudersport, Eulalia Mills,--	259	8.88	26.94	23-25
		Average, -----		8.85	26.57	-----
7421	Clinton, Clinton Sugar Refining Co., Clinton, Ia.	Paoli, Edward F. Bracken,	1221	9.01	26.25	20-25
7375	Clinton, Clinton Sugar Refining Co., Clinton, Ia.	Edge Hill, James E. McCaughey.	1175	8.81	28.06	-----
7330	Clinton, Clinton Sugar Refining Co., Clinton, Ia.	Norristown, W. and H. Rhoades.	1130	7.70	27.94	20-25
		Average, -----		8.50	27.42	-----
7497	Buffalo, Corn Products Refining Co., New York, N. Y.	Corry, Acme Milling Co.,---	1297	9.58	28.44	23.00
7216	Buffalo, Corn Products Refining Co., New York, N. Y.	Tunkhannock, Brown & Fassett.	1016	9.44	26.56	23.00
6523	Buffalo, Corn Products Refining Co., New York, N. Y.	Warren, T. N. Dunham, ----	323	9.15	28.19	23-25
6484	Buffalo, Corn Products Refining Co., New York, N. Y.	Wellsboro, Equity Co-operative Exchange,	284	9.14	26.60	23-25

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 9.25	Per ct. 5.00	Per ct. 18.35	Per ct. 18.00	\$33.00	-----	Brewers' dried grains,--	6790
8.64	-----	16.72	-----	30 00	-----		
6.10	6.00	15.35	16.00	1 50	-----	Brewers' dried grains,--	7374
7.50	6.30	14.45	16.25	1 25	-----	Brewers' dried grains,--	6917
7.70	6.30	12.27	16.25	25.00	-----	Brewers' dried grains,--	6899
8.05	6.30	13.80	16.25	1 25	-----	Brewers' dried grains,--	6913
8.70	6.30	12.50	16.25	1 25	-----	Brewers' dried grains,--	6920
7.99	-----	13.25	-----	25 00	-----		
7.38	-----	14.47	-----	23 08	-----		
3.00	1.22	13.30	13.40	28 00	-----	Malt sprouts, -----	7482
3.05	1.00	11.22	11.00	29.00	-----	Malt sprouts and a large amount of weed seeds.	7190
2.40	1.40	12.95	14.00	27 10	-----	Malt sprouts, -----	6506
1.38	1-3	14.00	5-30	27 00	-----	Malt sprouts, -----	7485
2.40	2.00	12.05	10-15	28 00	-----	Malt sprouts, -----	7470
2.45	-----	12.70	-----	27 82	-----		
2.50	2.00	6.37	8.50	34 50	-----	Gluten feed, -----	6402
3.00	2.50	7.07	8.50	1 65	Artificially colored with No. 85 Orange I and No. 4 Naphthol Yellow "S."	Gluten feed, colored,--	6459
2.75	-----	6.72	-----	33 75	-----		
3.90	3.00	6.95	8.00	30 00	-----	Gluten feed, -----	7421
4.00	-----	6.30	-----	1 50	-----	Gluten feed, -----	7375
5.00	3.00	6.75	8.00	1 00	-----	Gluten feed, -----	7330
4.30	-----	6.66	-----	30 67	-----		
3.40	2.00	6.10	8.50	1.40	Made from corn, -----	As certified, -----	7497
4.00	2.00	5.95	8.50	1 60	Made from corn, -----	As certified, -----	7216
5.95	2.50	6.00	8.50	35 00	Made from corn, -----	As certified, -----	6523
3.83	2.00	7.05	8.50	1 60	-----	Gluten feed, -----	6484

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
7138	Buffalo, Corn Products Refining Co., New York, N. Y.	Reynoldsville, Fales Grocery Co.	988	Per et. 9.40	Per et. 25.81	Per et. 23-25
7457	Buffalo, Corn Products Refining Co., New York, N. Y.	Carnegie, C. A. Foster, ----	1257	8.82	28.00	23.00
6389	Buffalo, Corn Products Refining Co., New York, N. Y.	Jonestown, Gerhart & Kline,	189	13.34	23.00	23-25
6256	Buffalo, Corn Products Refining Co., New York, N. Y.	Bareville, M. S. Graybill & Son.	56	8.03	28.00	23-25
6659	Buffalo, Corn Products Refining Co., New York, N. Y.	Beaver, A. F. Grime, -----	459	8.05	27.81	23-25
6227	Buffalo, Corn Products Refining Co., New York, N. Y.	Manheim, B. R. Hollinger,	27	9.45	28.94	23-25
6086	Buffalo, Corn Products Refining Co., New York, N. Y.	Mars, W. J. Kennedy Hardware Co.	486	10.05	27.19	23-27
6741	Buffalo, Corn Products Refining Co., New York, N. Y.	Chambersburg, Lakeview Milling Co.	541	9.95	27.94	23-25
6901	Buffalo, Corn Products Refining Co., New York, N. Y.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	701	7.51	27.06	23-25
6326	Buffalo, Corn Products Refining Co., New York, N. Y.	York, J. W. Mitzel, -----	126	9.45	27.11	23-25
7292	Buffalo, Corn Products Refining Co., New York, N. Y.	Mount Penn, Nein Bros., --	1092	9.13	28.13	23.00
7479	Buffalo, Corn Products Refining Co., New York, N. Y.	Erie, W. D. Ripley, -----	1279	9.01	28.13	23.00
7204	Buffalo, Corn Products Refining Co., New York, N. Y.	Montrose, T. A. Roberts,--	1004	7.93	26.25	23.00
6512	Buffalo, Corn Products Refining Co., New York, N. Y.	Bradford, Smith Bros., ----	312	9.10	27.31	23-25
7397	Buffalo, Corn Products Refining Co., New York, N. Y.	Quakertown, Allen K. Smith,	1197	8.97	26.19	23-25
6853	Buffalo, Corn Products Refining Co., New York, N. Y.	Indiana, St. Clair, Rinn & Co.	653	11.52	26.13	23-25
6576	Buffalo, Corn Products Refining Co., New York, N. Y.	Williamsport, Jacob Thomas.	376	10.97	28.38	23-25
7527	Buffalo, Corn Products Refining Co., New York, N. Y.	Ebensburg, Veith Bros., ---	1327	8.75	27.50	23.00
6351	Buffalo, Corn Products Refining Co., New York, N. Y.	Hanover, W. J. Young & Co.	151	7.05	26.44	23-25
		Average, -----		9.29	27.41	-----
6423	Crescent, Corn Products Refining Co., New York, N. Y.	Danville, Hancy-Frazier Milling Co.	223	7.48	24.50	23-25
7587	Cedar Rapids, Douglas & Co., Cedar Rapids, Ia.	East Pittsburgh, James Beech & Son.	1387	6.50	24.75	20-25
7389	Cedar Rapids, Douglas & Co., Cedar Rapids, Ia.	Doylestown, Henry S. Beidler.	1189	7.50	24.13	20-25
6427	Cedar Rapids, Douglas & Co., Cedar Rapids, Ia.	Danville, Danville Milling Co.	227	11.45	23.31	20-25

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per et. 4.00	Per et. 2.00	Per et. 5.47	Per et. 8.50	\$1 80	Made from corn, -----	As certified, -----	7138
2.50	2.00	6.45	8.50	27 00	Made from corn, -----	As certified, -----	7457
2.20	2.50	6.05	8.50	33 00	-----	Gluten feed, -----	6389
3.70	2.50	6.87	8.50	30 00	-----	Gluten feed, -----	6256
4.00	2.00	7.35	8.50	1 70	Made from corn, -----	As certified, -----	6659
3.08	2.50	6.60	8.50	31 00	-----	Gluten feed, -----	6227
2.50	2.50	6.35	8.50	1 60	-----	Gluten feed, -----	6086
3.95	2.00	5.85	8.50	32 00	-----	Gluten feed, -----	6741
3.90	2.00	7.25	8.50	36 00	Made from corn, -----	As certified, -----	6901
3.83	2.50	6.45	8.50	1 65	-----	Gluten feed, -----	6326
3.50	2.00	5.07	8.50	1 50	Made from corn, -----	As certified, -----	7292
2.75	2.00	6.10	8.50	27 00	Made from corn, -----	As certified, -----	7479
4.63	2.00	6.77	8.50	1 55	Made from corn, -----	As certified, -----	7204
4.00	2.50	7.07	8.50	33 00	-----	Gluten feed, -----	6512
3.55	2.00	6.70	8.50	1 50	-----	Gluten feed, -----	7397
4.50	2.00	6.75	8.50	1 70	-----	Gluten feed, -----	6853
4.10	2.00	6.42	8.50	33 00	-----	Gluten feed, -----	6576
3.00	2.00	6.20	8.50	1 60	Made from corn, -----	Gluten feed, -----	7527
4.50	2.50	7.47	8.50	1 65	-----	Gluten feed, -----	6351
3.71	-----	6.44	-----	31 91	Made from corn, -----	As certified, -----	6423
3.53	2.50	8.07	8.50	1 75			
3.55	2.00	7.22	8.00	1 80	-----	Gluten feed, -----	7587
3.65	2.00	6.67	8.00	28 00	-----	Gluten feed, -----	7389
2.85	2.00	7.12	8.00	1 75	-----	Gluten feed, -----	6427

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
7230	Cedar Rapids, Douglas & Co., Cedar Rapids, Ia.	Towanda, F. H. Hagerman,	1030	Per ct 8.30	Per ct. 22.31	Per ct. 20-25
6775	Cedar Rapids, Douglas & Co., Cedar Rapids, Ia.	Downingtown, A. S. Hively,	575	6.33	24.75	22.00
6415	Cedar Rapids, Douglas & Co., Cedar Rapids, Ia.	Sunbury, Kift Milling Co.,	215	5.99	23.31	20-25
6919	Cedar Rapids, Douglas & Co., Cedar Rapids, Ia.	Wilkes-Barre, Robbins Milling Co.	719	6.57	24.44	20-23
7291	Cedar Rapids, Douglas & Co., Cedar Rapids, Ia.	Reading, Aug. C. Wertz & Bro.	1091	6.80	22.06	20-25
7194	Cedar Rapids, Douglas & Co., Cedar Rapids, Ia.	East Stroudsburg, J. M. Wyckoff.	994	5.72	23.31	20-25
		Average, -----		7.24	23.60	-----
6522	K. K. K., J. C. Hubinger Bros. Co., Keokuk, Ia.	Warren, T. N. Dunham, ---	322	9.10	23.81	23.00
6392	K. K. K., J. C. Hubinger Bros. Co., Keokuk, Ia.	Myerstown, S. T. Yost, ----	192	7.99	26.06	23.50
		Average, -----		8.54	24.94	-----
7345	Jenks, Huron Milling Co., Harbor Beach, Mich.	West Point, Hechner & Kriebel.	1145	8.74	25.94	23-25
7476	Keever, The Keever Starch Co., Columbus, Ohio.	Erie, W. J. Carroll, -----	1276	8.67	21.50	22.00
6795	"P-Bro." Piel Bros. Starch Co., Indianapolis, Ind.	West Grove, S. K. Chambers & Bro.	595	10.19	23.69	22.5-24.5
7349	Jenks, Rosekrans-Snyder Co., Philadelphia, Pa.	West Point, L. W. Mattern,	1149	8.38	26.50	23-25
7443	Staley's, A. E. Staley Mfg. Co., Decatur, Ill.	Canonsburg, Canonsburg Milling Co.	1243	8.69	21.94	23-25
7390	"Clinton," C. W. Wagar & Co., Philadelphia, Pa.	Quakertown, S. S. Detweiler.	1190	9.22	25.56	20-25
7284	"Clinton," C. W. Wagar & Co., Philadelphia, Pa.	Fleetwood, Schaeffer, Wanner & Co.	1084	8.32	25.94	20-25
7319	"Clinton," C. W. Wagar & Co., Philadelphia, Pa.	Pottstown, S. B. Wagener & Co.	1119	8.69	25.50	20-25
6261	"Clinton," C. W. Wagar & Co., Philadelphia, Pa.	Gap, Jos. C. Walker & Sons Co.	61	9.38	26.31	20-25
		Average, -----		8.90	25.83	-----
7351	"Cream of Corn," C. W. Wagar & Co., Philadelphia, Pa.	Lansdale, A. C. Godshall & Co.	1151	6.83	27.31	23-25
7320	"P-Bro." C. W. Wagar & Co., Philadelphia, Pa.	Pottstown, W. H. Saylor & Son.	1120	9.25	25.94	22.5-24.5
7307	"Union," C. W. Wagar & Co., Philadelphia, Pa.	Pottstown, A. K. Kuip, --	1107	6.65	23.13	22-25
6644	Unknown.	Beaver Falls, Dodds & Garrett.	444	6.39	18.25	-----
		Total average, -----		8.60	25.85	-----
	Gluten Meal.					
7450	Diamond, Corn Products Refining Co., New York, N. Y.	Wilkinshurg, Johnston & Smith.	1250	8.46	40.75	40.00
	Hominy Feed.					
7231	Homeo, American Hominy Co., Indianapolis, Ind.	Towanda, F. H. Hagerman,	1031	9.83	11.06	9.50
6565	Homeo, American Hominy Co., Indianapolis, Ind.	Milton, C. H. McMahan, --	365	10.47	9.75	9.50

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.05	2.00	6.40	8.00	\$1 50	-----	Gluten feed, -----	7230
4.00	4.00	7.15	8.00	1 60	-----	Gluten feed, -----	6775
3.88	3.00	6.15	8.00	1 75	-----	Gluten feed, -----	6415
2.85	2.00	7.20	8.00	1 80	-----	Gluten feed, -----	6919
3.65	2.00	6.30	8.00	30 00	-----	Gluten feed, -----	7291
4.45	2.00	6.62	8.00	33 00	-----	Gluten feed, -----	7194
3.66	-----	6.75	-----	32 78	-----	-----	-----
5.33	2.00	6.32	7.00	35 00	Artificially colored with aniline.	Gluten feed, colored, ---	6522
4.05	2.40	6.85	7.50	35 00	-----	Gluten feed, -----	6392
4.69	-----	6.58	-----	35 00	-----	-----	-----
5.40	3.00	6.70	8.00	27 00	Not colored, -----	Gluten feed, -----	7345
4.05	4.50	6.10	7.00	28 00	Made from corn. Right reserved to color with not over 1-10 of 1% of a coloring matter.	Gluten feed, -----	7476
3.63	2.50	7.20	8.00	32 00	-----	Gluten feed, -----	6795
5.50	3.00	5.90	5.00	29 00	-----	Gluten feed, -----	7349
3.45	2.5-3	6.55	9-12	28 00	-----	Gluten feed, -----	7443
5.40	3.00	6.60	8.00	29 00	-----	Gluten feed, -----	7390
4.25	3.00	7.45	8.00	29 00	-----	Gluten feed, -----	7284
5.10	3.00	6.25	8.00	30 00	-----	Gluten feed, -----	7319
4.43	3.00	7.32	8.00	34 00	-----	Gluten feed, -----	6261
4.80	-----	6.90	-----	30 50	-----	-----	-----
4.45	2.50	6.20	8.50	1 50	-----	Gluten feed, -----	7351
3.75	2.50	7.30	8.00	1 55	-----	Gluten feed, -----	7320
4.53	3.00	7.20	8.00	1 45	-----	Gluten feed, -----	7307
4.45	-----	6.60	-----	1 80	-----	Gluten feed, -----	6644
3.92	-----	6.62	-----	31 80	-----	-----	-----
4.55	1.50	2.10	4.00	2 00	Made from corn, -----	As certified, -----	7450
8.15	7.00	4.55	7.00	1 65	A pure white corn product.	As certified, -----	7231
6.40	7.00	3.42	7.00	1 60	-----	Hominy feed, -----	6565

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Molsture.	Found.	Guaranteed.
7109	Homeo, Ameriean Hominy Co., Indianapolis, Ind.	Sharon, J. M. Porter, -----	909	Per ct. 8.98	Per ct. 11.19	Per ct. 9.50
		Average, -----		9.76	10.67	-----
6214	----- M. F. Baringer, Philadelphia, Pa.	Lititz, Elmer Eby, -----	14	11.30	10.56	9.00
6778	----- M. F. Baringer, Philadelphia, Pa.	West Chester, E. D. Hemp-hill.	578	9.55	11.94	10.00
6794	----- M. F. Baringer, Philadelphia, Pa.	Pocopson, W. J. Pratt, ---	594	10.53	11.19	9.00
7396	----- M. F. Baringer, Philadelphia, Pa.	Quakertown, Allen K. Smith,	1196	7.93	10.75	9.00
		Average, -----		9.82	11.11	-----
7405	Bufeeco, Buffalo Cereal Co., Buffalo, N. Y.	Philadelphia, F. L. Lemont,	1205	8.62	11.44	10-11
6253	Ideal, Elevator Milling Co., Springfield, Ill.	Bareville, M. S. Graybill & Son.	53	8.97	11.25	11.02
7297	Pearl, Empire Grain and Elevator Co., Bingham-ton, N. Y.	Montrose, J. C. Harring-ton.	1007	9.32	11.50	10.00
6313	Evans, Evans Milling Co., Indianapolis, Ind.	York, Anderson Bros. & Co.	113	8.61	11.56	10.00
7213	Evans, Evans Milling Co., Indianapolis, Ind.	South Montrose, G. D. Rob-inson.	1013	10.48	10.69	10.00
		Average, -----		9.54	11.13	-----
6215	Herendeen's, Charles Her-endeen Milling Co., Chi-cago, Ill.	Lititz, Elmer Eby, -----	15	9.16	10.50	10.15
6586	Yellow, Husted Milling Co., Buffalo, N. Y.	Troy, Snedeker & Mitchell,	386	9.64	11.06	9-11
6472	Badger, Charles A. Krause Milling Co., Milwaukee, Wis.	Knoxville, Deerfield Milling Co.	272	11.25	11.06	9.00
7392	Badger, Charles A. Krause Milling Co., Milwaukee, Wis.	Quakertown, S. S. Det-weiler.	1192	10.62	12.19	8.00
6773	Badger, Charles A. Krause Milling Co., Milwaukee, Wis.	Downingtown, A. S. Hively,	573	11.76	11.63	9.00
6271	Badger, Charles A. Krause Milling Co., Milwaukee, Wis.	New Holland, E. M. Rut-ter & Co.	71	12.13	11.63	9.00
6332	Badger, Charles A. Krause Milling Co., Milwaukee, Wis.	York, H. H. Smyser, -----	132	9.66	12.13	9.00
6406	Badger, Charles A. Krause Milling Co., Milwaukee, Wis.	Palmyra, A. S. Stauffer, --	206	11.30	12.63	9.00
		Average, -----		11.12	11.88	-----
7416	----- The Lea Milling Co., Wilmington, Del.	Chester, John Thompson, --	1216	7.44	10.81	10.00
7175	Choice Steam Cooked, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Seranton, Miner-Hillard Mill-ing Co.	975	9.14	11.13	10-12
6914	Choice Steam Cooked, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	714	7.48	11.19	10-12
7220	Choice Steam Cooked, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Meshoppen, C. B. Tyler, ---	1020	8.73	11.38	10-12
		Average, -----		8.45	11.23	-----

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 8.45	Per ct. 7.00	Per ct. 4.25	Per ct. 7.00	\$1 60	A pure white corn product.	As certified, -----	7109
7.67	-----	4.07	-----	1 62	-----	-----	-----
6.83	6.00	2.15	10 00	32 00	-----	Hominy feed, -----	6214
8.05	8.00	2.67	7.00	33 00	-----	Hominy feed, -----	6778
6.45	6.00	2.45	10.00	33 00	-----	Hominy feed, -----	6794
7.70	6.00	4.72	10.00	1 55	-----	Hominy feed, -----	7396
7.26	-----	2.99	-----	32 25	-----	-----	-----
8.75	7-9	4.35	3-4	1 70	-----	Hominy feed, -----	7405
9.95	7.70	4.55	-----	32 00	-----	Hominy feed, -----	6253
9.50	7.00	5.30	6.00	1 85	-----	Hominy feed, -----	7207
9.20	7.50	4.62	7.00	33 00	Manufactured from white corn.	As certified, -----	6313
8.50	7.50	5.22	7.00	1 35	Manufactured from white corn.	As certified, -----	7213
8.85	-----	4.92	-----	32 00	-----	-----	-----
8.33	6.40	3.25	3.55	32 00	Made from choice white corn.	As certified, -----	6215
6.93	6-8	3.22	5-8	1 60	Made from corn, -----	As certified, -----	6586
5.35	6.00	2.27	5.00	1 65	Made from pure white corn.	As certified, -----	6472
7.30	6.00	5.20	5.00	30 00	Made from white corn,	As certified, -----	7392
6.60	6.00	3.15	5.00	1 75	Made from pure white corn.	As certified, -----	6773
6.45	6.00	3.95	5.00	1 65	Made from pure white corn.	As certified, -----	6271
7.95	7.00	5.25	4.50	31 00	Made from pure white corn.	As certified, -----	6332
6.45	7.00	2.90	4.50	32 00	Made from pure white corn.	As certified, -----	6406
6.68	-----	3.78	-----	32 33	-----	-----	-----
8.38	8.00	5.20	5.00	1 80	-----	Hominy feed, -----	7416
5.40	5-8	3.92	3-5	34 00	-----	Hominy feed, -----	7175
5.50	5-8	4.00	3-5	1 65	-----	Hominy feed, -----	6914
6.00	5-8	4.62	3-5	1 65	-----	Hominy feed, -----	7220
5.63	-----	4.18	-----	33 33	-----	-----	-----

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
7383	----- The Patent Cereals Co., Geneva, N. Y.	Doylestown, Henry S. Beidler.	1183	Per ct. 10.58	Per ct. 11.69	Per ct. 10-11
7218	----- The Patent Cereals Co., Geneva, N. Y.	Tunkhannock, Brown & Fassett.	1018	10.23	11.00	10-11
		Average, -----		10.40	11.35	-----
6608	Yellow, The Pioneer Cereal Co., Akron, Ohio.	Latrobe, Latrobe Wholesale Grocery Co.	408	10.16	10.88	10.00
6687	Yellow, The Quaker Oats Co., Chicago, Ill.	Mars, W. J. Kennedy Hardware Co.	487	11.53	10.44	9.00
6300	Yellow, The Quaker Oats Co., Chicago, Ill.	Windber, L. B. Reeser, ---	100	11.61	10.44	9.00
		Average, -----		11.57	10.44	-----
6235	"Logan," The Standard Cereal Co., Chillicothe, Ohio.	Lancaster, S. H. Shreiner & Son.	35	12.84	10.63	9.00
6391	"Logan," The Standard Cereal Co., Chillicothe, Ohio.	Myerstown, S. T. Yost, ---	191	9.51	11.31	9.00
		Average, -----		11.17	10.97	-----
6395	"Standeo," The Standard Cereal Co., Chillicothe, Ohio.	Myerstown, E. L. Bleistein,	195	11.07	11.00	10.00
6579	"Standeo," The Standard Cereal Co., Chillicothe, Ohio.	Williamsport, Jacob Thomas.	379	10.73	10.44	10.00
6390	"Standeo," The Standard Cereal Co., Chillicothe, Ohio.	Myerstown, S. T. Yost, ---	190	10.54	10.94	10.00
		Average, -----		10.78	10.79	-----
6786	Pure, C. W. Wagar & Co., Philadelphia, Pa.	West Chester, I. H. Bailey,	586	9.58	10.81	9-11
7424	Pure, C. W. Wagar & Co., Philadelphia, Pa.	Paoli, Edward F. Braeken,	1224	7.83	11.63	9-11
7306	Pure, C. W. Wagar & Co., Philadelphia, Pa.	Pottstown, A. K. Kulp, ---	1106	8.61	10.94	9-11
7400	Pure, C. W. Wagar & Co., Philadelphia, Pa.	Quakertown, T. and J. Strawn.	1200	8.30	10.75	9-11
6200	Pure, C. W. Wagar & Co., Philadelphia, Pa.	Gap, Jos. C. Walker & Sons Co.	60	8.55	11.56	9-11
		Average, -----		8.57	11.14	-----
		Total average, -----		9.86	11.15	-----
Corn Bran.						
7343	Pure, M. F. Baringer, Philadelphia, Pa.	West Point, Heebner & Kriebel.	1143	7.56	11.19	7.00
6777	Pure White, M. F. Baringer, Philadelphia, Pa.	West Chester, E. D. Hemp-hill.	577	8.90	12.25	7-10
7411	----- M. F. Baringer, Philadelphia, Pa.	Chester, T. Frank McCall,	1211	7.35	12.38	7.00
6798	White, M. F. Baringer, Philadelphia, Pa.	Pocopson, W. J. Pratt, ---	593	7.51	10.13	7.00
7398	Pure, M. F. Baringer, Philadelphia, Pa.	Quakertown, Allen K. Smith,	1198	8.12	11.31	7.00
		Average, -----		7.88	11.45	-----
7344	----- J. W. Evans & Co., Pottstown, Pa.	West Point, Heebner & Kriebel.	1144	7.53	10.56	9-11

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 8.40	Per ct. 7-8	Per ct. 4.87	Per ct. 4-5	\$22 00	-----	Hominy feed, -----	7383
8.90	7-8	4.60	4-5	1 65	-----	Hominy feed, -----	7218
8.65	-----	4.48	-----	32 50	-----		
6.13	7.00	2.75	9.00	33 00	-----	Hominy feed, -----	6608
6.60	4.00	3.35	4.00	1 70	-----	Hominy feed, -----	6687
6.28	4.00	2.10	4.00	1 70	-----	Hominy feed, -----	6300
6.44	-----	2.72	-----	34 00	-----		
7.15	7.00	3.32	6.00	31 50	-----	Hominy feed, -----	6235
7.90	7.30	4.25	6.00	1 65	-----	Hominy feed, -----	6391
7.53	-----	3.78	-----	32 25	-----		
7.45	7.00	2.47	4.00	33 00	-----	Hominy feed, -----	6395
7.20	7.00	1.77	4.00	33 00	-----	Hominy feed, -----	6579
7.00	7.00	1.80	4.00	1 65	-----	Hominy feed, -----	6390
7.22	-----	2.01	-----	33 00	-----		
6.95	6.5-9	4.15	7.00	33 00	-----	Hominy feed, -----	6786
7.85	6.5-9	4.70	7.00	32 00	-----	Hominy feed, -----	7424
7.10	6.5-9	4.72	7.00	1 60	-----	Hominy feed, -----	7306
7.15	6.5-9	4.75	7.00	1 55	-----	Hominy feed, -----	7400
8.45	6.5-9	4.00	7.00	31 00	-----	Hominy feed, -----	6260
7.50	-----	4.46	-----	31 80	-----		
7.41	-----	3.81	-----	32 71	-----		
10.90	5.00	8.50	15.00	31 00	-----	Corn bran, -----	7343
12.18	5-7	6.00	12.00	33 00	-----	Corn bran, -----	6777
12.30	5.00	7.65	15.00	30 00	-----	Corn bran, -----	7411
8.33	5.00	9.00	15.00	52 00	-----	Corn bran, -----	6793
9.68	5.00	7.40	15.00	1 55	-----	Corn bran, -----	7398
10.68	-----	7.71	-----	31 40	-----		
7.00	5-7	12.00	12-15	27 00	-----	Corn bran and corn siftings.	7344

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
7202	----- Globe Elevator Co., Buffalo, N. Y.	Scranton, Lackawanna Elevator Co.	1002	Per et 8.15	Per et. 12.83	Per et. 10-13
7321	----- Kimball-Sawyer Milling Co., Kansas City, Mo.	Norristown, Simpson Bros.,	1121	7.47	9.81	8.00
7358	Badger Cream Flakes, Chas. A. Krause Milling Co., Milwaukee, Wis.	Ambler, J. Watson Craft, -	1158	8.77	8.50	8.50
7352	Badger Cream Flakes, Chas. A. Krause Milling Co., Milwaukee, Wis.	Lansdale, A. G. Godshall & Co.	1152	8.02	9.94	8.50
7350	Badger Cream Flakes, Chas. A. Krause Milling Co., Milwaukee, Wis.	West Point, L. W. Mat-tern.	1150	7.35	12.19	8.50
7318	Badger Cream Flakes, Chas. A. Krause Milling Co., Milwaukee, Wis.	Pottstown, S. B. Wagener & Co.	1118	7.96	9.44	8.50
		Average, -----		8.02	10.02	-----
7329	Corn Bran Flakes, J. O. Landis, Norristown, Pa.	Norristown, W. and H. Rhoades.	1129	7.93	7.38	9.00
7422	Maizeline Feed, C. W. Wagar & Co., Philadel-phia, Pa.	Paoli, Edward F. Bracken,	1222	7.03	9.19	7.00
7313	Maizeline Feed, C. W. Wagar & Co., Philadel-phia, Pa.	Pottstown, A. K. Kulp, ---	1113	7.36	9.06	7.00
		Average, -----		7.19	9.13	-----
		Total average, -----		7.80	10.41	-----
Corn Feed Meal.						
6485	Yellow Feed Meal, Globe Elevator Co., Buffalo, N. Y.	Wellsboro, Equity Co-operative Exchange.	285	16.41	8.38	-----
6874	Faney Husted Meal, Husted Milling Co., Buffalo, N. Y.	DuBois, Timlin, Kelly & Co.	674	10.75	8.44	-----
		Average, -----		13.58	8.41	-----
Corn Flour.						
6267	Maizo Red Dog Flour, Chas. A. Krause Milling Co., Milwaukee, Wis.	New Holland, E. M. Rut-ter & Co.	67	9.85	8.25	8.50
WHEAT OFFALS.						
Low Grade Flour.						
6964	Badger Red Dog, Berger-Crittenden Milling Co., Milwaukee, Wis.	Altoona, H. H. Langdon,--	764	11.05	18.56	16.75
7490	Badger Red Dog, Berger-Crittenden Milling Co., Milwaukee, Wis.	Union City, Union Coal & Supply Co.	1290	11.76	18.75	16.75
6815	Choice, Big Diamond Mills Co., Minneapolis, Minn.	Kittanning, Wm. Gates Es-tate.	615	11.01	19.56	14.81
7191	Red Dog, Globe Elevator Co., Buffalo, N. Y.	East Stroudsburg, J. M. Wyckoff.	991	10.57	16.88	13-15
7133	----- Niagara Falls Milling Co., Buffalo, N. Y.	Prescottville, T. E. Me-Creight.	933	10.72	16.06	-----
6878	----- Niagara Falls Milling Co., Buffalo, N. Y.	DuBois, James P. Sullivan,	678	11.06	17.31	-----

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 8.50	Per ct. 8-10	Per ct. 7.15	Per ct. 7-9	\$1 30	Made from corn, -----	As certified, -----	7202
7.40	3.50	11.10	12.50	32 00	-----	Corn bran, -----	7321
6.70	3.00	10.12	9.00	31 00	Made from white corn, -----	As certified, -----	7358
7.55	3.50	8.20	9.00	1 55	-----	Corn bran, -----	7352
12.23	5.00	7.10	9.00	30 00	-----	Corn bran, -----	7350
7.00	3.00	8.40	9.00	32 00	Made from pure white corn, -----	As certified, -----	7318
8.38	-----	8.48	-----	31 00	-----	-----	-----
6.08	9.00	11.85	8.00	32 00	-----	Corn bran, -----	7329
8.35	4.00	9.85	13.00	34 00	-----	Corn bran, -----	7422
7.60	4.00	9.25	13.00	31 00	-----	Corn bran, -----	7313
7.98	-----	9.55	-----	32 50	-----	-----	-----
8.79	-----	8.91	-----	30 87	-----	-----	-----
3.10	-----	1.20	-----	1 55	-----	Corn feed meal, -----	6485
2.35	-----	1.00	-----	1 80	-----	Corn feed meal, -----	6874
2.73	-----	1.10	-----	1 68	-----	-----	-----
4.00	3.50	1.52	2.00	1 65	Made from pure white corn, -----	As certified, -----	6267
4.30	3.75	2.55	2.50	1 80	Pure and unadulterated wheat product. -----	As certified, -----	6964
4.25	3.75	2.77	2.75	1 55	Pure and unadulterated wheat product. -----	As certified, -----	7490
5.15	3.00	2.35	1.83	1 75	Pure wheat product, -----	As certified, -----	6815
3.80	3-5	3.50	4-5	35 00	-----	Flour middlings, -----	7191
3.78	-----	0.87	-----	1 85	-----	Flour middlings, -----	7133
4.05	-----	1.15	-----	2 00	-----	Flour middlings, -----	6878

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
7082	Pillsburys XX Daisy, Pillsbury Flour Mills, Minneapolis, Minn.	Somerset, Saylor & Woy,--	882	Per ct 11.01	Per ct. 17.56	Per ct. 10.00
6625	Choice, Sleepy Eye Flour Mills Co., Minneapolis, Minn.	Monongahela City, D. E. Gamble.	425	10.85	18.63	17.30
7119	Pure Wheat Red Dog, Star & Crescent Milling Co., Chicago, Ill.	Lindsey, Lindsey Milling Co.	919	10.48	16.81	16.50
6681	No. 1 White, The Toledo Grain & Milling Co., Toledo, Ohio.	Harmony, S. D. Kirker, --	481	11.52	15.69	-----
	Wheat Middlings.	Average, -----		11.00	17.53	-----
6467	Amco Winter, Amendt Milling Co., Monroe, Mich.	Westfield, F. A. Ackley, --	267	10.38	18.38	15-17.63
7480	Perfection Fancy White Winter, Ames-Burns Co., Jamestown, N. Y.	Erie, W. D. Ripley, -----	1280	10.15	16.50	15-17
7395	Atlas Extra Flour, Atlas Flour Mills, Milwaukee, Wis.	Quakertown, Allen K. Smith.	1195	10.58	18.00	16.00
7512	Badger, Berger-Crittenden Milling Co., Milwaukee, Wis.	New Oxford, J. H. Duttera,	1312	10.36	18.25	17.00
6965	Badger, Berger-Crittenden Milling Co., Milwaukee, Wis.	Altoona, H. H. Langdon,	765	10.73	17.56	17.00
7593	Badger Standard, Berger-Crittenden Milling Co., Milwaukee, Wis.	Braddock, Irwin Muir, ----	1393	10.40	18.63	17.00
7156	Big Diamond, Big Diamond Mills Co., Minneapolis, Minn.	Titusville, Kerr Hill Mill Co., Ld.	956	9.35	18.13	14.50
7118	Big Diamond Standard, Big Diamond Mills Co., Minneapolis, Minn.	Lindsey, Lindsey Milling Co.	918	10.63	17.25	14.67
6598	Fresh Ground, W. N. Brosha, Jersey Shore, Pa.	Jersey Shore, W. N. Brosha,	398	10.86	15.13	9-18
6567	----- Buffalo Mills, Lewisburg, Pa.	Milton, C. H. McMahan, --	367	11.42	18.75	-----
6219	----- John R. Burkholder, Lancaster, Pa.	Lititz, Elmer Eby, -----	19	12.31	18.00	-----
6220	----- John R. Burkholder, Lancaster, Pa.	Lititz, Elmer Eby, -----	20	9.35	18.13	-----
7440	----- The Chickasaw Grain and Milling Co., Chickasaw, Ohio.	Canonsburg, William H. Dunlap, Jr.	1240	10.38	17.19	-----
6639	Pure Wheat Poland, Geo. C. Christian & Co., Minneapolis, Minn.	Beaver Falls, John G. Allen.	439	10.60	18.50	14.00
6481	Pure Wheat Poland, Geo. C. Christian & Co., Minneapolis, Minn.	Wellsboro, Equity Co-operative Exchange.	281	10.08	19.13	14.00
7545	Poland, Geo. C. Christian & Co., Minneapolis, Minn.	Derry, W. B. Gilson & Co..	1345	11.18	17.69	14.00
6233	Poland, Geo. C. Christian & Co., Minneapolis, Minn.	Manheim, F. K. Nauman,	33	9.80	18.00	14.60
7544	White, Geo. C. Christian & Co., Minneapolis, Minn.	Derry, W. B. Gilson & Co.	1344	11.08	18.31	14.00
6550	----- The City Mills, Muncy, Pa.	Mifflinburg, T. E. Spigelmeyer.	350	9.75	18.06	14.44

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.20	Per ct. 4.50	Per ct. 3.47	Per ct. 4.00	\$2 50	A pure wheat product,	As certified,	7082
4.65	3.00	3.30	5.00	1 75	-----	Flour middlings,	6625
4.15	4.00	3.30	3.00	1 85	-----	Flour middlings,	7119
3.63	-----	1.87	-----	1.85	Pure and unadulterated wheat middlings.	As certified,	6881
4.20	-----	2.51	-----	37 30			
5.63	5-5.3	5.70	4.30	1 70	Winter wheat middlings,	As certified,	6467
4.00	5-7	3.20	10.00	32 00	Pure winter wheat product.	As certified,	7480
5.00	4.50	5.65	8.00	1 60	-----	Wheat middlings,	7395
4.70	4.00	5.20	5.00	32 00	Pure and unadulterated wheat product.	As certified,	7512
4.70	4.00	4.75	5.00	1 70	-----	Wheat middlings,	6965
5.15	4.00	7.50	8.50	1 50	-----	Wheat middlings,	7593
5.65	4.50	6.85	7.76	1 70	Pure wheat product,	As certified,	7156
5.08	4.21	7.72	9.35	1 55	Pure wheat product,	Wheat middlings, chaff and a large amount of weed seeds.	7118
3.63	2-6	3.40	-----	1 70	Wheat middlings,	As certified,	6598
4.98	-----	6.45	-----	1 60	Wheat middlings,	As certified,	6567
4.75	-----	3.80	-----	32 00	Wheat middlings,	As certified,	6219
5.13	-----	6.62	-----	29 00	Wheat shorts,	As certified,	6220
4.70	-----	4.07	-----	32 00	-----	Wheat middlings,	7440
6.88	4.00	6.90	8.00	1 70	-----	Wheat middlings,	6639
6.20	4.00	6.80	8.00	1 50	Pure wheat middlings,--	As certified,	6481
6.15	4.00	7.87	8.00	1 55	Pure wheat middlings,--	Wheat middlings and small amount of weed seeds.	7545
5.78	4.00	8.00	8.50	30 00	Pure wheat middlings,--	As certified,	6233
5.35	4.00	5.75	8.00	33 00	Pure wheat middlings,--	Wheat middlings, small amount of chaff and weed seeds.	7544
5.20	3.56	6.25	4.82	1 80	-----	Wheat middlings,	6550

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
7556	----- Clarion Milling Co., Clarion, Pa.	Clarion, Clarion Milling Co.	1356	11.85	16.69	-----
6697	Choice Fine, The Cleveland Milling Co., Cleveland, Ohio.	Zelienople, J. J. Kennedy,	497	12.26	16.69	15-18
7260	Choice Fine, The Cleveland Milling Co., Cleveland, Ohio.	Slatington, A. J. Kern, ---	1060	10.80	16.06	15-18
6981	Choice Fine, The Cleveland Milling Co., Cleveland, Ohio.	Bedford, D. W. Prosser, --	781	11.29	16.19	15-18
7506	Choice Fine, The Cleveland Milling Co., Cleveland, Ohio.	Gettysburg, C. M. Wolf, --	1306	11.15	16.00	15-18
7125	Coarse, The Cleveland Milling Co., Cleveland, Ohio.	Brookville, Klines' Sifter Mills.	925	11.13	16.63	14-17
6744	----- Duncannon Flouring Mill Co., Duncannon, Pa.	Duncannon, Duncannon Flouring Mill Co.	541	10.47	17.00	-----
7538	Pure, Dwight Flour Mills, Minneapolis, Minn.	Carrolltown, W. A. Eckenrode.	1338	10.82	18.25	16.00
7366	Pure Wheat, B. A. Eckhart Milling Co., Chicago, Ill.	Philadelphia, Geo. Egolf & Co.	1166	10.40	17.06	15.00
7563	Pure Wheat, B. A. Eckhart Milling Co., Chicago, Ill.	McKeesport, Keystone Com. Co.	1363	9.18	17.94	15.00
7467	Pure, B. A. Eckhart Milling Co., Chicago, Ill.	Bradnock, John Laehman,	1267	9.04	17.38	15.00
6700	Pure, B. A. Eckhart Milling Co., Chicago, Ill.	Zelienople, O. W. Luck, ---	500	9.55	18.00	15.00
6618	Pure, B. A. Eckhart Milling Co., Chicago, Ill.	Greensburg, William Shoemaker & Co.	418	9.62	17.69	15.00
6766	----- Elder & Eckbert, Lewistown, Pa.	Lewistown, Elder & Eckbert.	566	10.10	17.81	-----
6448	----- Emporium Milling Co., Emporium, Pa.	Emporium, Emporium Milling Co.	248	13.85	16.31	-----
6397	Spring, Fergus Flour Mills Co., Fergus Falls, Mich.	Annville, Newgard & Bachman.	197	9.47	18.56	17.00
6533	----- Gamble, Gheen & Co., Bellefonte, Pa.	Bellefonte, Gamble, Gheen & Co.	333	11.45	16.94	-----
6597	Pure, Gamble, Gheen & Co., Bellefonte, Pa.	Antes Fort, Gheen, Spigelmyer & Phleger.	397	10.55	16.81	-----
7501	Snowball White, The Gardner Mills, Hastings, Minn.	Corry, Acme Milling Co.,	1301	12.46	17.69	15.00
7560	Snowball, The Gardner Mills, Hastings, Minn.	McKeesport, Keystone Com. Co.	1360	12.06	17.94	15.00
7519	----- The Glade Valley Milling Co., Woodsboro, Md.	Littlestown, D. E. Buckey & Son.	1319	12.01	13.69	-----
7192	Flour, Globe Elevator Co., Buffalo, N. Y.	East Stroudsburg, J. M. Wyckoff.	992	9.95	17.44	12-14
6307	Goshen Milling Co., Goshen, Ind.	Windber, Weaver & Berkey,	107	10.87	17.88	-----
7240	Gwinn's, The Gwinn Milling Co., Columbus, Ohio.	Jennette, Keystone Supply Co.	1040	10.36	16.31	17.00
6978	----- Hagey Bros., Martinsburg, Pa.	Martinsburg, Hagey Bros.,	778	11.05	16.75	-----
6486	Harter's Pure, The Harter Milling Co., Toledo, O.	Wellsboro, Equity Co-operative Exchange.	286	9.85	18.63	-----
6520	Harter's Pure, The Harter Milling Co., Toledo, O.	Warren, Warren Mill Co., --	320	10.14	18.13	-----
6357	Pure, John Hoffer Flouring Mill Co., Steelton, Pa.	Harrisburg, Mock & Hartman.	157	8.41	16.88	-----
6358	Pure, John Hoffer Flouring Mill Co., Steelton,	Harrisburg, Mock & Hartman.	158	9.63	17.75	-----

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
5.15	-----	3.65	-----	\$1 50	Wheat middlings, -----	As certified, -----	7556
4.23	5-6.5	3.40	-----	35 00	Natural run of wheat, --	As certified, -----	6697
4.02	5-6.5	2.80	-----	1 75	Natural run of wheat, --	As certified, -----	7260
4.15	5-6.5	4.37	-----	1 75	Natural run of wheat, --	As certified, -----	6984
3.90	5-6.5	3.10	-----	1 70	Natural run of wheat, --	As certified, -----	7506
4.85	4.5-6.5	7.22	-----	1 60	Natural run of wheat, --	As certified, -----	7125
4.00	-----	4.10	-----	1 70	-----	Wheat middlings, -----	6744
5.55	5.00	8.10	11.00	1 60	-----	Wheat middlings, -----	7533
4.20	4.00	4.30	6.00	34 00	-----	Wheat middlings, -----	7366 ⁸
5.10	4.00	7.25	6.00	28 00	-----	Wheat middlings, -----	7563
4.60	4.00	5.90	6.00	1 50	-----	Wheat middlings, -----	7467
4.93	4.00	6.00	6.00	1 70	-----	Wheat middlings, -----	6700
5.23	4.00	6.82	6.00	31 00	Wheat middlings, -----	As certified, -----	6613
4.36	-----	4.17	-----	1 70	-----	Wheat middlings, -----	6766
4.25	-----	2.00	-----	1 80	Wheat middlings, -----	As certified, -----	6448
5.95	4.00	6.00	-----	30 00	Pure wheat middlings,--	As certified, -----	6397
5.00	-----	3.50	-----	32 00	Wheat middlings, -----	As certified, -----	6533
4.05	-----	4.20	-----	1 60	Wheat middlings, -----	As certified, -----	6597
5.30	4.00	5.72	7.50	1 50	Wheat middlings, -----	Wheat middlings and small amount of weed seeds.	7501
4.70	4.00	4.35	7.50	30 00	-----	Wheat middlings, -----	7560
3.10	-----	3.00	-----	32 00	-----	Wheat middlings, -----	7519
4.75	3-5	5.25	8-9	32 00	-----	Wheat middlings, -----	7192
4.38	-----	5.15	-----	1 60	Wheat middlings, -----	As certified, -----	6307
5.70	4.60	5.10	6.00	1 80	-----	Wheat middlings, -----	7240
4.00	-----	3.07	-----	1 80	-----	Wheat middlings, -----	6978
5.03	-----	5.42	-----	1 65	Pure wheat middlings,--	As certified, -----	6486
5.00	-----	5.72	-----	1 75	Pure wheat middlings,--	As certified, -----	6520
5.50	-----	5.72	-----	30 00	Pure wheat shorts, -----	As certified, -----	6357
4.43	-----	3.50	-----	32 00	Pure wheat middlings,--	As certified, -----	6358

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6570	Pure Standard Fine, Hubbard Milling Co., Mankato, Minn.	Williamsport, F. W. Dawson & Son.	370	Per ct. 11.43	Per ct. 13.44	Per ct. 14.50
7069	----- Huntingdon Milling Co., Huntingdon, Pa.	Huntingdon, Huntingdon Milling Co.	869	11.79	16.81	-----
7071	Pure Standard, Jennison Bros. & Co., Janesville, Minn.	Holsoption, The White Oak Milling Co., Inc.	871	9.15	17.94	15.50
6314	----- G. G. Jones, Larue, Pa.	York, Anderson Bros. & Co.	114	11.23	16.81	-----
6475	----- The William Kelly Milling Co., Hutchinson Kan.	Knoxville, Deerfield Milling Co.	275	9.84	21.06	17.00
7308	Carnation Gray, Kemper Mill and Elevator Co., Kansas City, Mo.	Pottstown, A. K. Kulp, --	1108	9.37	18.38	16.00
7533	----- The Kansas Flour Mills Co., Kansas City, Mo.	Patton, F. E. Farabaugh,	1332	10.63	20.94	-----
6742	----- Lakeview Milling Co., Chambersburg, Pa.	Chambersburg, Lakeview Milling Co.	542	10.69	19.44	-----
6237	Elmco Wheat Standard, Listman Mill Co., La-Crosse, Wis.	Ephrata, S. M. Seldomridge.	57	10.10	19.81	19.50
6577	Elmco Wheat Standard, Listman Mill Co., La-Crosse, Wis.	Williamsport, Jacob Thomas.	377	10.75	19.56	17.98
7517	----- Littlestown Milling Co., Littlestown, Pa.	Littlestown, Littlestown Milling Co.	1317	11.91	13.63	-----
7452	Pure, Loughry Bros. Milling and Grain Co., Monticello, Ind.	Wilksburg, Johnston & Smith.	1252	10.20	18.06	17.33
7123	----- Mahoning Valley Milling Co., Punxsutawney, Pa.	Punxsutawney, Mahoning Valley Milling Co.	923	11.12	18.13	-----
6330	----- Mountain City Milling Co., Frederick, Md.	York, H. H. Smyser, -----	130	9.90	17.31	-----
7166	Seal of Minnesota Standard, New Prague Flouring Mill Co., New Prague, Minn.	Oil City, New Model Milling Co.	966	9.72	18.38	17.00
7131	Flour, Niagara Falls Milling Co., Buffalo, N. Y.	Prescottville, T. E. McCreight.	931	10.77	17.44	-----
6879	Flour, Niagara Falls Milling Co., Buffalo, N. Y.	DuBois, James P. Sullivan,	679	10.08	16.94	-----
7551	Flour, Niagara Falls Milling Co., Buffalo, N. Y.	Clarion, B. W. Thompson,	1351	11.10	17.94	-----
6844	Flour, Niagara Falls Milling Co., Buffalo, N. Y.	Wallaceton, E. K. Turner,	644	10.81	16.94	-----
7361	----- The Northwestern Elevator Co., Toledo, Ohio.	Ambler, J. Watson Craft,	1161	9.49	17.81	15-17
7238	----- The Ohio Valley Grain and Feed Co., Coraopolis, Pa.	Jeannette, Keystone Supply Co.	1038	10.31	17.25	-----
6265	----- Pennoek & Brosius, Avondale, Pa.	Gap, Jes. C. Walker & Sons Co.,	65	9.59	17.94	-----
7555	A, Pittsburg Flour Mills, Minneapolis Minn.	Clarion, Clarion Milling Co.	1355	10.76	17.81	15.00
7541	Pillsbury XX Daisy, Pillsbury Flour Mills, Minneapolis, Minn.	Gallitzin, Haid & Sweeney,	1341	11.32	18.50	16.00
6638	Winter, George P. Plant Milling Co., St. Louis, Mo.	Mars, W. J. Kennedy Hardware Co.	488	9.98	19.19	17.11
7110	Pure, The Richards Evans Co., Cortland, Ohio.	Sharon, J. M. Porter, ----	910	10.23	17.38	-----
7332	Pure, Rosekrans-Snyder Co., Philadelphia, Pa.	Norristown, W. & H. Rhoades.	1132	10.25	18.56	-----

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 6.00	Per ct. 5.10	Per ct. 7.60	Per ct. 8.50	\$1 00	-----	Wheat middlings and a considerable proportion of weed seeds	6570
4.15	-----	2.82	-----	1 90	-----	Wheat middlings, -----	7069
6.40	4.50	7.95	8.00	1 60	-----	Wheat middlings, -----	7071
4.30	-----	4.25	-----	32 00	-----	Wheat middlings, -----	6314
5.85	5.00	4.82	-----	1 70	Wheat shorts, -----	As certified, -----	6475
4.55	4.30	5.60	6.00	1 70	Made from pure wheat,	As certified, -----	7308
5.40	-----	3.60	-----	1 75	-----	Wheat middlings, -----	7532
4.55	-----	3.50	-----	1 55	-----	Wheat middlings, -----	6742
6.28	5.87	6.95	8.38	1 50	Pure wheat middlings,--	As certified, -----	6257
6.10	4.70	6.12	5.11	31 00	Wheat middlings, -----	As certified, -----	6577
4.15	-----	2.80	-----	30 00	-----	Wheat middlings, -----	7517
5.00	-----	5.90	-----	1 80	-----	Wheat middlings, -----	7452
4.95	-----	4.35	-----	1 70	-----	Wheat middlings, -----	7123
5.63	-----	4.37	-----	31 00	Wheat middlings, -----	As certified, -----	6330
6.40	5.70	6.25	6.50	1 60	Strictly pure and unadulterated.	As certified, -----	7106
5.23	-----	5.87	-----	1 75	Pure wheat feed, -----	As certified, -----	7131
4.60	-----	4.70	-----	1 80	Pure wheat feed, -----	As certified, -----	6879
5.50	-----	4.95	-----	1 70	Pure wheat feed, -----	As certified, -----	7551
4.35	-----	4.65	-----	1 65	Pure wheat feed, -----	As certified, -----	6844
4.70	4-6	5.52	5-6	34 00	Pure wheat product, ---	As certified, -----	7361
4.25	-----	3.80	-----	1 80	-----	Wheat middlings, -----	7238
5.20	-----	3.95	-----	32 00	-----	Wheat middlings, -----	6265
5.25	4.50	5.90	6.00	1 50	Pure and unadulterated wheat flour middlings.	As certified, -----	7555
4.90	4.50	4.50	4.00	33 00	Pure wheat product, ---	As certified, -----	7541
5.00	4.41	4.95	5.18	1 60	Made from pure wheat,	As certified, -----	6683
4.83	-----	3.95	-----	1 80	-----	Wheat middlings, -----	7110
5.55	-----	4.30	-----	33 00	-----	Wheat middlings, -----	7332

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6226	Standard, Russell - Miller Milling Co., Minneapolis, Minn.	Manheim, B. R. Hollinger,	26	Per et. 10.76	Per et. 16.63	Per et. 15.00
7377	Pure, Shane Bros. & Wilson Co., Philadelphia, Pa.	Edge Hill, James E. McCaughey.	1177	10.10	14.25	-----
6457	Faney or White, The Southwestern Milling Co., Kansas City, Mo.	Port Allegany, Port Allegany Milling Co.	257	10.70	19.38	18.25
7567	Pure Winter, Standard-Tilton Milling Co., St. Louis, Mo.	McKeesport, A. Davison, --	1367	11.00	18.94	15.00
6611	Pure Winter, Standard-Tilton Milling Co., St. Louis, Mo.	Greensburg, McFarland Supply Co.	411	10.13	18.00	15.00
7089	Pure Wheat Flour, Tenant & Hoyt Co., Lake City, Minn.	Mt. Union, David Rummel,	889	11.22	18.19	16.00
7221	Tioga White Pure, Tioga Mill and Elevator Co., Waverly, N. Y.	Meshoppen, Roberts & Sherwood.	1021	11.10	16.56	16.00
6541	Winter, C. Y. Wagner, Bellefonte, Pa.	Center Hall, R. D. Foreman.	341	10.46	17.56	12-14
7576	----- The Warwiek Co., Massillon, Ohio.	Homestead, Vallowe Bros.,	1376	9.92	17.13	17.50
6377	Standard, Washburn-Crosby Co., Minneapolis, Minn.	Harrisburg, Hoffer & Garman.	177	9.77	18.06	15.00
7299	Pure Hard Wheat Flour, Washburn-Crosby Co., Minneapolis, Minn.	Pottsville, Speacht Bros.,--	1099	10.33	17.63	17.00
6752	Pure Hard Wheat Standard Washburn Mills, Minneapolis, Minn.	Millerstown, I. B. Seerist,	552	10.40	18.25	15.00
7017	----- The Washington Milling Co., Washington, Ohio.	Houston, W. M. Templeton.	817	9.10	17.31	-----
7005	----- Waynesburg Milling Co., Waynesburg, Pa.	Waynesburg, Waynesburg Milling Co.	805	10.42	15.94	-----
7024	Pure, Wells-Abbott-Nieman Co., Schuyler, Neb.	Seottdale, J. E. Pritts, ---	824	8.53	18.69	15-18
7025	Pure, Wells-Abbott-Nieman Co., Schuyler, Neb.	Seottdale, J. E. Pritts, ---	825	8.72	17.69	15-17
7426	----- Willets & Felix, Pittsburgh, Pa.	Wilmerding, Routh & Co.,	1226	9.70	19.56	-----
6525	Faney Winter, The Williams Bros. Co., Kent, Ohio.	Warren, T. N. Dunham, --	325	10.62	17.69	-----
		Average, -----		10.48	17.66	-----
	Wheat Middlings With Admixtures.					
6941	Gem Middlings, T. M. Biddle, Altoona, Pa.	Altoona, T. M. Biddle, ---	741	10.66	15.13	10.10
6959	Gem Middlings, T. M. Biddle, Altoona, Pa.	Juniata, R. I. Remaley,----	759	10.85	14.38	10.10
		Average, -----		10.75	14.76	-----
6451	Badger Faney Middlings, Chas. A. Krause Milling Co., Milwaukee, Wis.	Emporium, Emporium Milling Co.	251	11.16	13.13	12.00
6937	Badger Faney Middlings, Chas. A. Krause Milling Co., Milwaukee, Wis.	Luzerne, Luzerne Milling Co.	737	10.29	13.13	11.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 6.48	Per ct. 4.00	Per ct. 8.07	Per ct. 9.00	\$28 00	Wheat only, -----	As certified, -----	6226
4.45	-----	3.40	-----	1 70	-----	Wheat middlings, -----	7377
4.90	4.50	3.60	4.75	1 75	-----	Wheat middlings, -----	6457
4.85	4.00	5.90	6.00	28 00	Made from pure wheat,	As certified, -----	7567
4.58	4.00	5.10	6.00	32 00	Made from pure wheat,	As certified, -----	6611
5.85	-----	5.27	-----	1 90	-----	Wheat middlings, -----	7089
4.55	4.00	4.35	3.00	1 75	-----	Wheat middlings, -----	7221
5.23	3-4	3.22	3-5	1 70	Pure wheat middlings,--	As certified, -----	6541
5.20	4.05	5.70	4.90	32 00	Pure winter wheat mid- dlings.	As certified, -----	7576
5.58	4.00	7.70	8.00	30 00	Pure hard wheat mid- dlings.	As certified, -----	6377
5.25	5.00	7.37	8.00	1 70	-----	Wheat middlings, -----	7299
6.08	4.00	7.42	8.00	1 60	-----	Wheat middlings, -----	6752
4.40	-----	5.45	-----	31 00	-----	Wheat middlings, -----	7017
4.10	-----	3.00	-----	1 70	Wheat middlings, -----	As certified, -----	7005
5.70	4-6	4.95	6.50	1 65	-----	Wheat middlings, -----	7024
5.50	3.5-5	4.90	5.50	1 75	-----	Wheat middlings, -----	7025
4.85	-----	5.27	-----	1 75	-----	Wheat middlings, -----	7426
4.53	-----	5.52	-----	36 00	-----	Wheat middlings, -----	6525
5.00	-----	5.18	-----	32 77	-----	-----	-----
5.75	2.10	3.30	11.30	34 00	Wheat middlings, red dog flour, and hominy feed.	As certified, -----	6941
5.60	2.10	3.65	11.30	1 90	Wheat middlings, red dog flour, and hominy feed.	As certified, -----	6959
5.68	-----	3.47	-----	36 00	-----	-----	-----
4.55	4.50	4.05	5.00	1 80	Wheat middlings and maizo red dog.	As certified, -----	6451
6.05	3.00	3.95	9.00	1 65	Wheat middlings and maizo red dog flour.	As certified, -----	6937

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Molsture.	Found.	Guaranteed.
6976	Badger Fancy Middlings, Chas. A. Krause Milling Co., Milwaukee, Wis.	Martinsburg, Nelson Keim,	776	Per ct. 10.95	Per ct. 13.31	Per ct. 11.00
6715	Badger Fancy Middlings, Chas. A. Krause Milling Co., Milwaukee, Wis.	Newville, S. E. Shenk, ---	515	12.31	13.63	11.00
6403	Fancy Middlings, Chas. A. Krause Milling Co., Milwaukee, Wis.	Palmyra, A. S. Stauffer,	203	10.53	13.06	12.00
		Average, -----		11.04	13.25	-----
6897	Colonial Choice Middlings, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Catawissa, M. J. Grimes & Bro.	697	10.15	13.31	12-15
7173	Colonial Choice Middlings, Miner-Hillard Milling Co., Seranton, Pa.	Seranton, Miner-Hillard Milling Co.	973	9.78	12.56	12-15
6909	Colonial Choice Middlings, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	709	9.46	13.88	12-15
		Average, -----		9.79	13.25	-----
6892	Camp's No. 2 White Middlings and Corn Meal, The Toledo Grain and Milling Co., Toledo, O.	New Kensington, J. A. Hawk.	692	9.76	16.06	12-14
6680	Camp's No. 2 White Middlings and Corn Meal, The Toledo Grain and Milling Co., Toledo, O.	Harmony, S. D. Kirker, --	480	11.24	14.65	12-14
6847	Camp's No. 2 White Middlings and Corn Meal, The Toledo Grain and Milling Co., Toledo, O.	Clearfield, Ross & Woods,	647	9.88	15.56	12-14
		Average, -----		10.29	15.42	-----
	Mixed Feed—Wheat By-Products.					
7481	Blish's Bulls Eye Mixed Feed, Blish Milling Co., Seymour, Ind.	Erie, W. D. Ripley, -----	1281	9.55	15.56	16.50
6988	Garland Mixed Feed, Garland Milling Co., Greensburg, Ohio.	Hickory, Robinson & Caldwell.	783	9.86	16.63	15.23
6745	Harter's Pure Wheat Bran and Middlings, The Harter Milling Co., Toledo, Ohio.	Duncannon, Sylvester S. Sheller.	545	9.54	17.56	-----
7224	Sunshine Mixed Feed, Hunter-Robinson-Wentz Milling Co., St. Louis, Mo.	Meshoppen, Roberts & Sherwood.	1024	9.78	17.06	14.50
6694	Go-Far Wheat Feed, Red Wing Milling Co., Red Wing, Minn.	Butler, B. F. Shannon & Co.	494	10.49	16.75	16.50
		Average, -----		9.84	16.71	-----
	Wheat Bran.					
7484	Perfection Extra Fancy Winter, Ames-Burns Co., Jamestown, N. Y.	Erie, W. D. Ripley, -----	1284	9.40	16.63	14.16
7085	Pure, Osakis Milling Co., Osakis, Minn.	Somerset, John G. Emert,	885	9.44	15.69	14.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 6.65	Per ct. 3.00	Per ct. 4.15	Per ct. 9.00	\$3 00	Wheat middlings and maizo red dog flour.	As certified, -----	6976
6.03	3.00	3.60	9.00	1 65	Wheat middlings and maizo red dog flour.	As certified, -----	6715
4.65	4.50	4.95	5.00	32 00	Wheat middlings and maizo red dog.	As certified, -----	6403
5.59	-----	4.14	-----	33 40			
5.05	5-8	6.65	6-8	32 00	Wheat middlings and white corn middlings.	As certified, -----	6897
5.25	5-8	4.57	6-8	33 00	Wheat middlings and white corn middlings.	As certified, -----	7173
5.23	5-8	6.50	6-8	1 70	Wheat middlings and white corn middlings.	As certified, -----	6909
3.18	-----	5.90	-----	33 00			
5.10	4-6	4.67	6.00	1 75	Wheat middlings and fine corn meal.	As certified, -----	6892
4.70	4-6	4.00	6.00	1 70	Wheat middlings and fine white corn meal.	As certified, -----	6630
5.05	4-6	4.45	6.00	1 80	Wheat middlings and fine white corn meal.	As certified, -----	6847
4.95	-----	4.37	-----	35 00			
4.50	4.50	7.90	9.10	1 40	All wheat product, ---	As certified, -----	7481
4.58	3.75	7.02	9.00	1 40	Pure wheat product. Bran and middlings run together.	As certified, -----	6983
4.60	-----	6.82	-----	1 60	-----	Wheat bran and mid- dlings.	6745
4.58	4.00	7.97	8.00	1 55	Pure wheat product. Bran and middlings.	As certified, -----	7224
5.25	4.10	8.20	8.50	1 65	-----	Wheat bran and mid- dlings.	6694
4.70	-----	7.58	-----	1 52			
5.30	3.5-5	7.90	10.00	1 30	Pure winter wheat pro- duct.	As certified, -----	7484
5.00	4.00	10.57	12.00	1 50	-----	Wheat bran, -----	7085

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
7573	Pure Winter, The Bakhaus & Kuenzel Co., New Bremen, Ohio.	Homestead, Vallowe Bros.,	1373	10.05	17.81	-----
6209	Bran Flakes, Barber Milling Co., Minneapolis, Minn.	Laneaster, Fred Pontz, ---	9	9.01	18.44	13-17
7114	Badger, Berger-Crittenden Milling Co., Milwaukee, Wis.	Sharon, William E. Kelly,	914	8.45	16.06	16.00
6966	Badger, Berger-Crittenden Milling Co., Milwaukee, Wis.	Altoona, H. H. Langdon,	766	9.00	16.56	16.00
6833	Badger, Berger-Crittenden Milling Co., Milwaukee, Wis.	Philipsburg, J. O. Reed,--	633	9.23	16.06	16.00
7242	----- Bernet, Craft & Kauffman Milling Co., St. Louis, Mo.	Jeannette, Keystone Supply Co.	1042	9.56	15.44	14.30
7439	----- The Chickasaw Grain and Milling Co., Chickasaw, Ohio.	Canonsburg, Wm. H. Dunlap, Jr.	1239	10.80	16.56	-----
6638	Pure Wheat Jersey, Geo. C. Christian & Co., Minneapolis, Minn.	Beaver Falls, John G. Allen,	438	10.95	16.63	13.00
7543	Jersey, Geo. C. Christian & Co., Minneapolis, Minn.	Derry, W. B. Gilson & Co.,	1343	10.14	17.19	13.00
7300	Pure, L. Christian & Co., Minneapolis, Minn.	Pottsville, Speacht Bros.,	1100	9.68	15.69	15.00
6206	Claro, Claro Milling Co., Lakeville, Minn.	Gap, Jos. C. Walker & Sons Co.	66	9.41	16.38	14-17
7557	----- Clarion Milling Co., Clarion, Pa.	Clarion, Clarion Milling Co.	1357	11.73	14.88	-----
6693	----- The Cleveland Milling Co., Cleveland, Ohio.	Zelienople, J. J. Kennedy,	498	10.22	16.06	14-17
6986	----- The Cleveland Milling Co., Cleveland, Ohio.	Bedford, D. W. Prosser,	786	10.09	15.75	14-17
6315	Commander, Commander Mill Co., Minneapolis, Minn.	York, Anderson Bros. & Co.	115	10.58	17.38	14.00
7205	Duluth Imperial, Duluth Superior Milling Co., Duluth, Minn.	Montrose, T. O. Roberts, -	1005	9.30	14.95	16.00
6743	----- Duncannon Flouring Mill Co., Duncannon, Pa.	Duncannon, Duncannon Flouring Mill Co.	543	10.38	16.75	-----
7536	Pure, Dwight Flour Mills, Minneapolis, Minn.	Carrolltown, W. A. Eckendrode.	1336	10.76	15.56	15.00
6221	----- Jonas F. Eby & Son, Lancaster, Pa.	Lititz, Elmer Eby, -----	21	9.45	17.63	-----
6619	Pure, B. A. Eckhart Milling Co., Chicago, Ill.	Greensburg, William Shoemaker & Co.	419	9.12	16.75	14-17
6869	Pure, B. A. Eckhart Milling Co., Chicago, Ill.	DuBois, A. T. Sprankle, --	669	9.14	16.00	14-17
6767	----- Elder & Eckbert, Lewistown, Pa.	Lewistown, Elder & Eckbert.	567	10.02	16.81	-----
6447	----- Emporium Milling Co., Emporium, Pa.	Emporium, Emporium Milling Co.	247	9.20	17.06	-----
6534	----- Gamble, Gheen & Co., Bellefonte, Pa.	Bellefonte, Gamble, Gheen & Co.	324	10.75	17.13	-----
6596	Pure, Gamble, Gheen & Co., Bellefonte, Pa.	Antes Fort, Gheen, Spigelmeyer & Phleger.	396	10.20	16.31	-----
7455	Harter's Pure, The Harter Milling Co., Toledo, O.	Carnegie, C. A. Foster, ---	1255	9.81	15.56	-----
7521	----- John Hoffer Flouring Mill Co., Steelton, Pa.	Littlestown, D. E. Buckley & Son.	1321	10.00	14.63	-----
6356	Pure, John Hoffer Flouring Mill Co., Steelton, Pa.	Harrisburg, Mock & Hartman.	156	9.27	17.44	-----

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.60	-----	Per ct. 7.75	-----	\$1 55	-----	Wheat bran, -----	7573
6.38	4-6	9.25	10.00	1 40	Pure wheat bran, -----	As certified, -----	6209
4.95	4.00	9.77	10.50	1 60	Pure and unadulterated wheat product.	As certified, -----	7114
4.75	4.00	9.80	10.50	1 50	Pure and unadulterated wheat product.	As certified, -----	6966
4.80	4.00	9.90	10.50	1 60	Pure and unadulterated wheat product.	As certified, -----	6833
4.50	3.55	9.05	-----	1 50	Made from pure wheat,--	As certified, -----	7242
4.10	-----	8.15	-----	27 00	-----	Wheat bran, -----	7439
4.75	4.00	9.57	11.50	1 60	-----	Wheat bran, -----	6638
5.25	4.00	9.55	11.50	27 50	Pure wheat bran, -----	As certified, -----	7543
4.80	4.00	10.50	10.00	1 45	-----	Wheat bran, -----	7300
5.68	3-6	10.35	8-11	29 00	-----	Wheat bran, -----	6266
4.70	-----	7.50	-----	1 50	Wheat bran, -----	As certified, -----	7557
4.85	4.5-5.5	9.90	-----	30 00	Natural run of wheat,--	As certified, -----	6698
4.75	4.5-6.5	9.50	-----	1 60	Natural run of wheat,--	As certified, -----	6986
5.50	4.00	9.52	11 00	30 00	Guaranteed pure wheat bran.	As certified, -----	6315
5.15	4.00	11.50	11.25	1 40	Guaranteed pure wheat bran.	As certified, -----	7205
4.25	-----	8.15	-----	-----	-----	Wheat bran, -----	6743
5.15	5.00	10.70	12.50	1 50	-----	Wheat bran, -----	7536
4.53	-----	9.10	-----	29 00	Wheat bran, -----	As certified, -----	6221
5.08	3-5	8.82	-----	30 00	Wheat bran, -----	As certified, -----	6619
4.75	3-5	9.30	-----	1 70	-----	Wheat bran, -----	6869
4.29	-----	6.90	-----	1 60	-----	Wheat bran, -----	6767
5.63	-----	7.75	-----	1 70	Wheat bran, -----	As certified, -----	6447
4.50	-----	8.40	-----	30 00	Wheat bran, -----	As certified, -----	6534
4.45	-----	9.20	-----	1 50	Wheat bran, -----	As certified, -----	6596
4.25	-----	9.40	-----	25 00	-----	Wheat bran, -----	7455
4.55	-----	9.40	-----	26 00	-----	Wheat bran, -----	7521
4.33	-----	8.22	-----	30 00	Pure wheat bran, -----	As certified, -----	6256

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6569	Pure Flakey, Hubbard Milling Co., Mankato, Minn.	Williamsport, F. W. Dawson & Sou.	369	Per ct. 11.86	Per ct. 17.00	Per ct. 15.00
7305	Pure Flakey, Hubbard Milling Co., Mankato, Minn.	Pottsville, James Meade, ---	1105	9.90	16.81	15.00
7491	Dreadnought Extra Coarse, Hunter-Robinson Wenz Milling Co., St. Louis, Mo.	Union City, Union Coal & Supply Co.	1291	9.80	16.44	14.50
7061	Choice Winter Wheat, Sidney T. Isett, Spruce Creek, Pa.	Spruce Creek, Sidney T. Isett.	861	10.66	16.50	12-15
7529	----- The Kansas Flour Mills Co., Kansas City, Mo.	Patton, F. E. Farabaugh,	1329	10.86	17.56	14.00
6218	Diamond, Kemper Mill & Elevator Co., Kansas City, Mo.	Lititz, Ehmer Eby, -----	13	9.88	15.94	14.50
7158	----- Kerr Hill Mill Co., Ltd., Titusville, Pa.	Titusville, Kerr Hill Mill Co., Ltd.	958	9.67	15.69	-----
6452	Fancy Coarse, LaGrange Mills, Red Wing, Minn.	Emporium, Emporium Milling Co.	252	10.57	17.44	14.40
7331	Pure, J. C. Landis, Norristown, Pa.	Norristown, W. and H. Rhoades.	1131	9.74	14.38	-----
7516	Elmco Wheat Fancy, Listman Mill Co., LaCrosse, Wis.	Littlestown, Littlestown Milling Co.	1316	9.50	16.88	16.17
7518	----- Littlestown Milling Co., Littlestown, Pa.	Littlestown, Littlestown Milling Co.	1318	10.25	12.50	-----
7122	----- Mahoning Valley Milling Co., Punxsutawney, Pa.	Punxsutawney, Mahoning Valley Milling Co.	922	10.45	16.19	-----
6918	Mixed Bran Feed, Mauser Mill Co., Lawrys, Pa.	Wilkes-Barre, Kirkendall Sou Co.	713	10.50	18.38	12-16
6331	----- Mountain City Milling Co., Frederick, Md.	York, H. H. Smyser, -----	131	10.17	18.06	-----
7504	Hardenbergh's Extra Co., Minneapolis, Minn.	Gettysburg, C. M. Wolf. --	1304	10.82	17.75	15-17
7228	Seal of Minnesota, New Prague Flouring Mill Co., New Prague, Minn.	Dushore, H. E. Oberts, ---	1023	9.94	15.50	13.50
6552	Seal of Minnesota, New Prague Flouring Mill Co., New Prague, Minn.	Lewisburg, Wolfe & Shultz,	352	9.65	16.25	13.50
7132	Choice, Niagara Falls Milling Co., Buffalo, N. Y.	Prescottville, T. E. McCreight.	932	10.39	15.94	-----
6877	Choice, Niagara Falls Milling Co., Buffalo, N. Y.	DuBois, James P. Sullivan,	677	9.84	16.06	-----
7548	Choice, Niagara Falls Milling Co., Buffalo, N. Y.	Clarion, B. W. Thompson,	1348	10.91	16.63	-----
6739	Purc., The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Lemasters, Lehmaster Warehouse Co.	539	10.59	17.69	11.50
6530	Pure, The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Kane, J. A. Stall & Co.,	330	10.73	16.63	14.50
6285	Pure, The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Johnstown, Swope Bros., --	85	10.11	16.44	14.50
7139	Oh-Sa-Kis, Osakis Milling Co., Osakis, Minn.	Reynoldsville, Fales Grocery Co.	939	10.22	13.81	14.00
6436	----- Pillsbury Flour Mills, Minneapolis, Minn.	Lock Haven, M. L. Claster.	233	10.65	17.06	14.50
7540	----- Pillsbury Flour Mills, Minneapolis, Minn.	Gallitzin, Haid & Sweeney,	1340	11.02	16.69	14.50
7079	Pillsbury's, Pillsbury Flour Mills, Minneapolis, Minn.	Somerset, Saylor & Woy, --	879	9.32	15.13	14.50

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.00	Per ct. 4.80	Per ct. 8.95	Per ct. 11.50	\$1 60	-----	Wheat bran, -----	6569
5.40	4.80	9.72	11.50	1 40	-----	Wheat bran, -----	7305
4.75	4.00	8.00	9.50	1 20	Pure winter wheat product.	As certified, -----	7491
4.80	3-4	8.95	-----	30 00	-----	Wheat bran, -----	7061
4.20	4.50	9.20	10.00	1 50	-----	Wheat bran, -----	7529
5.03	4.00	9.57	9.50	29 00	Made from pure wheat,	As certified, -----	6218
4.50	-----	8.40	-----	1 50	-----	Wheat bran, -----	7158
5.55	3.30	10.00	12.70	1 70	Pure wheat bran, -----	As certified, -----	6452
4.28	-----	8.00	-----	1 40	-----	Wheat bran, -----	7331
4.65	4.35	8.97	9.15	26 00	-----	Wheat bran, -----	7516
4.05	-----	10.85	-----	26 00	-----	Wheat bran, -----	7518
4.50	-----	8.85	-----	1 50	-----	Wheat bran, -----	7122
5.30	3-4	8.75	6-10	1 65	-----	Wheat bran, -----	6918
5.00	-----	9.10	-----	29 00	Wheat bran, -----	As certified, -----	6331
5.50	4-5	8.15	-----	1 40	Pure and unadulterated wheat.	As certified, -----	7504
5.10	4.00	11.37	12.50	1 50	Pure and unadulterated,	As certified, -----	7228
4.80	4.00	10.37	12.05	32 00	Pure wheat bran, -----	As certified, -----	6552
5.00	-----	9.90	-----	1 50	-----	Wheat bran, -----	7132
5.10	-----	9.50	-----	1 75	-----	Wheat bran, -----	6877
5.70	-----	9.70	-----	1 40	-----	Wheat bran, -----	7543
5.75	4.00	8.07	11.00	1 60	-----	Wheat bran, -----	6739
5.60	4.00	9.85	11.00	1 50	Wheat bran, -----	As certified, -----	6530
4.90	4.00	9.85	11.00	29 00	Pure wheat bran, -----	As certified, -----	6285
4.75	4.00	11.02	12.00	27 00	-----	Wheat bran, -----	7139
5.05	4.00	9.65	11.00	1 50	Pure wheat bran, -----	As certified, -----	6436
5.35	4.00	9.77	11.00	28 00	Pure and unadulterated wheat bran.	As certified, -----	7540
5.18	4.00	11.15	11.00	1 65	Pure and unadulterated wheat bran,	As certified, -----	7079

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Molsture.	Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
7081	Pillsbury's, Pillsbury Flour Mills, Minneapolis, Minn.	Somerset, Saylor & Woy, --	881	8.90	16.81	15.00
6258	Bixota, Red Wing Milling Co., Red Wing, Minn.	Ephrata, S. M. Seldomridge.	58	9.74	16.25	15.00
7115	----- Saint Peters Roller Mills, St. Peters, Minn.	Sharon, Wm. E. Kelly,-----	915	9.13	15.13	16.90
6376	----- S. F. Scattergood & Co., Philadelphia, Pa.	Harrisburg, Hoffer & Garman.	176	10.76	18.00	-----
6232	Soft Winter, S. F. Scattergood & Co., Philadelphia, Pa.	Manheim, F. K. Nauman,--	32	9.74	16.19	-----
6248	L. K., S. F. Scattergood & Co., Philadelphia, Pa.	Leola, H. M. Stauffer, ---	48	9.73	17.19	-----
6623	----- Scott Logan Milling Co., Sheldon, Ia.	Monongahela, D. E. Gamble.	423	11.76	17.00	13.00
6620	Pure, J. W. Smith & Co., Pittsburgh, Pa.	Greensburg, William Shoemaker & Co.	420	9.65	16.25	14-17
7474	----- The Southwestern Milling Co., Kansas City, Mo.	Erie, W. J. Carroll, -----	1274	9.51	16.75	15.25
7566	Pure Winter, Standard-Tilton Milling Co., St. Louis, Mo.	McKeesport, A. Davison, --	1366	10.50	18.19	14.50
7087	Pure Winter, Standard-Tilton Milling Co., St. Louis, Mo.	Mt. Union, J. E. Ewing,--	887	10.70	17.00	14.50
6383	----- E. Strickler's Sons. Lebanon, Pa.	Lebanon, E. Strickler's Sons.	183	10.43	16.75	-----
6682	Winter, The Toledo Grain and Milling Co., Toledo, Ohio.	Harmony, S. D. Kirker, --	482	9.91	16.81	-----
6818	Camp's Winter, The Toledo Grain & Milling Co., Toledo, Ohio.	Clearfield, Ross & Woods,	618	8.97	16.94	-----
6540	Winter, C. Y. Wagner, Bellefonte, Pa.	Centre Hall, R. D. Foreman.	340	10.43	16.75	-----
7462	----- The Warrick Mills, Massillon, Ohio.	East Liberty, C. J. Cleland.	1262	9.62	15.13	16.62
7571	----- The Warrick Mills, Massillon, Ohio.	Homestead Vallowe Bros.,	1371	9.18	17.13	16.62
7500	Pure Hard Wheat Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Corry, Aeme Milling Co.,--	1300	10.58	15.00	14.50
7589	Pure Hard Wheat Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Turtle Creek, F. J. Riddle,	1389	9.74	16.38	14.50
6237	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Lancaster, G. H. Shreiner & Son.	37	10.77	16.13	14.50
6549	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Mifflinburg, T. E. Spiegel-meyer.	349	9.78	15.81	14.50
6578	Hard Wheat Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Williamsport, Jacob Thomas.	378	10.74	16.75	14.50
7015	----- The Washington Milling Co., Washington C. H., Ohio.	Houston, W. M. Templeton.	815	8.67	16.75	-----
7004	----- Waynesburg Milling Co., Waynesburg, Pa.	Waynesburg, Waynesburg Milling Co.	804	9.00	17.63	-----
7023	Pure, Wells-Abbott-Nieman Co., Schuyler, Neb.	Scottdale, J. E. Pritts, ---	823	9.23	15.09	14.00
7363	Blackhawk, Western Flour Mill Co., Davenport, Ia.	Philadelphia, George Egolf & Co.	1163	9.38	17.38	13.50
7427	----- Willits & Felix, Pittsburgh, Pa.	Wilmerding, Routh & Co.,	1227	9.51	17.44	-----
7376	----- Unknown,-----	Edge Hill, James E. McCaughey.	1176	9.51	14.81	-----
6792	----- Unknown,-----	Pocopson W. J. Pratt, --	592	11.04	17.50	-----
		Average,		10.01	16.45	-----

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.70	Per ct. 4.50	Per ct. 9.40	Per ct. 8.00	\$1 70	Pure and unadulterated wheat bran.	As certified, -----	7081
5.15	4.00	10.72	11.03	28 00	-----	Wheat bran, -----	6258
5.25	3.80	11.02	12.30	1 60	-----	Wheat bran, -----	7115
5.45	-----	8.95	-----	30 00	Wheat bran, -----	As certified, -----	6376
4.50	-----	8.57	-----	29 00	Wheat bran, -----	As certified, -----	6232
5.50	-----	10.00	-----	29 00	-----	Wheat bran, -----	6248
4.78	4.00	8.65	7.00	1 60	-----	Wheat bran, -----	6623
4.40	3-5	8.12	-----	30 00	Wheat bran, -----	As certified, -----	6620
4.20	4.00	8.90	9.50	26 00	-----	Wheat bran, -----	7474
4.60	4.00	8.30	9.50	26 00	Made from pure wheat,	As certified, -----	7566
5.05	4.00	8.50	9.50	34 00	Made from pure wheat,	As certified, -----	7037
4.05	-----	7.95	-----	29 00	Wheat bran, -----	As certified, -----	6383
4.58	-----	8.25	-----	1 65	Pure and unadulterated wheat bran.	As certified, -----	6682
4.05	-----	9.32	-----	1 80	Pure and unadulterated,	As certified, -----	6848
5.00	-----	8.50	-----	1 60	Winter wheat bran, ---	As certified, -----	6540
4.30	5.49	9.30	7.70	1 55	Pure winter wheat bran,	As certified, -----	7462
5.50	5.49	7.42	7.70	1 55	Pure winter wheat bran,	As certified, -----	7571
6.40	4.00	11.00	11.00	1 30	-----	Wheat bran, -----	7500
5.55	4.00	11.15	11.00	1 40	-----	Wheat bran, -----	7589
4.85	4.00	9.80	11.00	28 00	Pure wheat bran, -----	As certified, -----	6237
4.93	4.00	10.20	11.00	1 75	Pure hard wheat coarse bran.	As certified, -----	6549
5.28	4.00	9.17	11.00	31 00	Wheat bran, -----	As certified, -----	6578
4.25	-----	8.80	-----	30 00	-----	Wheat bran, -----	7015
4.40	-----	7.55	-----	1 60	Wheat bran, -----	As certified, -----	7004
5.00	3.50	9.82	10.00	1 50	-----	Wheat bran, -----	7023
5.10	4.00	9.62	12 50	26 00	-----	Wheat bran, -----	7363
4.25	-----	9.40	-----	1 50	-----	Wheat bran, -----	7427
4.30	-----	8.90	-----	1 40	-----	Wheat bran, -----	7376
5.30	-----	9.65	-----	32 00	-----	Wheat bran, -----	6792
4.91	-----	9.27	-----	29 59	-----	-----	-----

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
	RYE OFFALS.			Per ct.	Per ct.	Per ct.
	Rye Middlings.					
7394	Keystone, M. F. Baringer, Philadelphia, Pa.	Quakertown, Allen K. Smith,	1194	11.24	16.00	-----
6612	----- The North Star Feed and Cereal Co., Minneapolis, Minn.	Greensburg, McFarland Supply Co.	412	10.73	17.25	14.50
7058	Pure, Osceola Mill and Elevator Co., St. Croix Falls, Wis.	New Salem, S. O. McCormick.	858	10.21	18.22	14.00
6368	----- Washburn-Crosby Co., Minneapolis, Minn.	Mechanicsburg, A. B. Harnish.	168	9.55	17.63	14.00
	Mixed Feed, Rye By-Products.	Average, -----		10.43	17.28	-----
7402	Keystone, M. F. Baringer, Philadelphia, Pa.	Quakertown, T. and J. Strawn.	1202	10.78	16.69	12.50
6461	----- Eulalia Mills, Coudersport, Pa.	Coudersport, Eulalia Mills,	261	10.72	16.06	-----
		Average, -----		10.75	16.38	-----
	WHEAT AND RYE OFFALS.					
6915	Mixed Wheat and Rye Middlings, Mauser Mill Co., Treichlers, Pa.	Wilkes-Barre, Kirkendall Son Co.	715	11.53	15.88	12-16
6916	Red Wheat and Rye Middlings, Mauser Mill Co., Treichlers, Pa.	Wilkes-Barre, Kirkendall Son Co.	716	11.12	18.63	12-16
7263	Wheat and Rye Bran, Mauser Mill Co., Treichlers, Pa.	East Mauch Chunk, Quinton Stemler.	1063	9.75	15.75	12-16
7264	White Middlings, Mauser Mill Co., Treichlers, Pa.	East Mauch Chunk, Quinton Stemler.	1064	12.20	16.50	14-18
7296	Middlings Containing Rye, Stroh & Seaman, Hamburg, Pa.	Hamburg, Stroh & Seaman,	1036	11.59	14.75	15.06
7297	Bran Containing Rye, Stroh & Seaman, Hamburg, Pa.	Hamburg, Stroh & Seaman,	1097	10.37	15.56	15.56
	OAT BY-PRODUCTS.					
6476	Purity Reground Oat Hulls, American Rice & Cereal Co., Keokuk, Ia.	Knoxville, J. H. Burch, ---	276	5.64	7.50	6.73
	BUCKWHEAT OFFALS.					
	Buckwheat Middlings.					
7494	----- Acme Milling Co., Corry, Pa.	Corry, Acme Milling Co.,---	1294	13.94	25.75	-----
7554	----- Clarion Milling Co., Clarion, Pa.	Clarion, Clarion Milling Co.	1354	14.63	24.38	-----
7537	----- W. A. Eckenrode, Carrolltown, Pa.	Carrolltown, W. A. Eckenrode.	1337	14.79	19.38	-----
7533	----- F. E. Farabaugh, Patton, Pa.	Patton, F. E. Farabaugh,	1333	13.57	30.25	-----
6429	----- Franklin Milling Co., Swineford, Pa.	Shamokin, Shamokin Milling Co.	229	12.09	32.09	-----
		Average, -----		13.92	26.49	-----

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
3.40	-----	4.20	-----	\$1 55	-----	Rye middlings, -----	7394
3.32	1.50	4.45	5.20	32 00	-----	Rye middlings, -----	6612
3.75	3.00	4.85	5.00	1 65	-----	Rye middlings, -----	7058
3.73	3.00	5.00	6.00	29 50	-----	Rye middlings, -----	6368
3.55	-----	4.62	-----	31 38	-----		
3.55	2.50	4.00	9.00	1 50	-----	Rye bran and mid- dlings, -----	7402
2.98	-----	2.95	-----	1 50	Rye bran and mid- dlings, -----	As certified, -----	6461
3.27	-----	3.47	-----	15 00	-----		
4.00	4-6	3.30	5-10	1 80	-----	Wheat and rye mid- dlings, -----	6915
5.55	4-5	6.25	4-8	1 65	-----	Wheat and rye mid- dlings, -----	6916
5.00	3-4	9.20	6-10	1 50	-----	Wheat and rye bran, -----	7263
4.70	4-7	4.50	4-8	1 75	Wheat middlings and rye middlings, -----	As certified, -----	7264
3.53	3.81	3.37	4.35	1 50	Wheat middlings and rye middlings, -----	As certified, -----	7296
4.65	5.12	7.17	9.28	1 40	Wheat bran and rye bran, -----	As certified, -----	7297
5.00	2.71	24.05	32-65	1 25	-----	Ground oat hulls, -----	6476
6.70	-----	10.05	-----	1 30	-----	Buckwheat middlings, --	7494
6.13	-----	6.50	-----	1 10	-----	Buckwheat middlings, --	7554
4.75	-----	4.10	-----	1 60	-----	Buckwheat middlings, --	7537
7.60	-----	6.85	-----	1 30	-----	Buckwheat middlings, --	7533
6.25	-----	3.75	-----	1 40	-----	Buckwheat middlings, --	6420
6.29	-----	3.25	-----	23 80	-----		

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.		
					Found.	Guaranteed.	
Buckwheat Feed.							
6473	Buckwheat Offal Feed, The Burkett Mills, Penn Yan, N. Y.	Knoxville, Deerfield Milling Co.	273	Per et. 11.78	Per et. 22.81	Per et. 12.50	
6548	----- The City Mills, Muncy, Pa.	Mifflinburg, T. E. Spiegel-meyer.	348	11.63	16.38	18.06	
6463	----- Eulalia Mills, Coudersport, Pa.	Coudersport, Eulalia Mills.	263	11.39	14.06	15.63	
7121	----- H. J. Klingler & Co., Butler, Pa.	Punxsutawney, Mahoning Valley Milling Co.	921	9.64	17.13	-----	
6455	----- Port Allegany Milling Co., Port Allegany, Pa.	Port Allegany, Port Allegany Milling Co.	255	12.25	20.38	-----	
Average, -----				11.33	18.15	-----	
ALFALFA MEAL.							
7149	----- Acme Milling Co., Corry, Pa.	Oil City, Archer Feed Co.,	949	7.21	12.69	-----	
6504	Acme, American Alfalfa Food Co., Wichita, Kas.	Bradford, L. A. Fischer & Co.	304	6.50	18.07	12.00	
6339	Amco, American Milling Co., Chicago, Ill.	York, Ebbert Bros., -----	139	6.26	14.69	13.00	
6781	Amco, American Milling Co., Chicago, Ill.	West Chester, E. D. Hemphill.	581	7.92	16.56	13.00	
6762	Amco, American Milling Co., Chicago, Ill.	Lewistown, H. C. Jackson,	562	7.60	15.56	13.00	
6275	----- The Albert Dickinson Co., Chicago, Ill.	Johnstown, G. Bostert & Son.	75	7.20	15.56	12.00	
7419	----- Fowler Commission Co., Kansas City, Mo.	Paoli, Edward F. Bracken,	1219	6.86	14.63	12.00	
7135	Choice Colorado, The Kemper Mill and Elevator Co., Kansas City, Mo.	Reynoldsville, Fales Grocery Co.	935	8.20	13.94	13.50	
6666	Pioneer, Kornalfalfa Feed Milling Co., Kansas City, Mo.	Butler, H. J. Klingler & Co.	466	6.95	13.75	12.00	
7148	----- The Lake Shore Elevator Co., Cleveland, O.	Oil City, Archer Feed Co.,	948	7.20	14.88	-----	
7372	----- Omaha Alfalfa Milling Co., Omaha, Neb.	Edge Hill, James E. McCaughey.	1172	7.15	16.38	12.00	
7432	Pure Dustless, The Otto Weiss Alfalfa Stock Food Co., Wichita, Kans.	Pittsburgh, The I. W. Scott Co.	1232	7.52	*21.81	14.00	
7471	Lucern, M. C. Peters Mill Co., Omaha, Neb.	Erie, W. J. Carroll, -----	1271	6.72	14.19	12.00	
6283	Lucern Pure Ground, M. C. Peters Mill Co., Omaha, Neb.	Johnstown, Swope Bros., --	88	6.28	12.25	11.00	
6388	----- Tioga Mill and Elevator Co., Waverly, N. Y.	Jonestown, Gerhart & Kline.	188	5.40	15.13	14.15	
7177	----- Unknown, -----	Seranton, Miner-Hillard Milling Co.	977	7.03	13.44	12.00	
Average, -----				7.00	14.78	-----	
BEET PULP.							
6408	----- The Larowe Milling Co., Detroit, Mich.	Lebanon, E. J. Albert, ----	208	7.39	10.13	8.00	
6394	----- The Larowe Milling Co., Detroit, Mich.	Myerstown, E. L. Bleistein,	194	7.91	9.94	8.00	
6278	----- The Larowe Milling Co., Detroit, Mich.	Johnstown, G. Bostert & Son.	78	11.83	9.56	8.00	

*Excluded from average.

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
5.83	2.75	16.82	32.00	\$1 25	-----	Buckwheat middlings and hulls.	6473
3.95	4.53	22.95	22.73	1 50	-----	Buckwheat middlings and hulls.	6548
3.25	3.00	23.50	-----	1 00	Buckwheat hulls and middlings.	As certified, -----	6463
3.65	-----	21.97	-----	1 50	-----	Buckwheat middlings and hulls.	7121
4.50	-----	18.57	-----	1 15	Buckwheat middlings and buckwheat hulls.	As certified, -----	6455
4.24	-----	20.76	-----	25 60			
2.30	-----	31.62	-----	1 90	-----	Alfalfa meal, -----	7149
3.13	1.75	24.95	18-25	2 00	-----	Alfalfa meal, -----	6504
2.58	2.00	31.22	25.00	1 90	Alfalfa hay, -----	As certified, -----	6339
2.85	2.00	27.37	30.00	35 00	Alfalfa hay, -----	As certified, -----	6781
2.22	2.00	29.10	30.00	1 80	Alfalfa hay, -----	As certified, -----	6762
2.25	1.00	26.85	35.00	30.00	Made from alfalfa hay,	As certified, -----	6275
4.20	2.00	27.55	35.00	30 00	-----	Alfalfa meal, -----	7419
2.93	1.25	29.05	30.00	1 65	-----	Alfalfa meal, -----	7135
1.95	1.50	31.45	30.00	1 55	-----	Alfalfa meal, -----	6666
2.90	-----	31.85	-----	1 90	-----	Alfalfa meal, -----	7148
1.80	1.00	31.30	25.00	1 40	-----	Alfalfa meal, -----	7372
*4.75	1.50	*13.60	30.00	30 00	Alfalfa, -----	Alfalfa meal and large amount of pepper grass seed.	7432
2.50	0.50	26.25	33.00	2 25	-----	Alfalfa meal, -----	7471
1.53	1.00	34.67	33.00	28 00	-----	Alfalfa meal, -----	6283
1.70	1.63	32.12	31.09	27 00	-----	Alfalfa meal, -----	6288
3.50	1.00	31.05	35.00	28 00	-----	Alfalfa meal, -----	7177
2.56	-----	29.76	-----	33.44			
1.45	0.50	17.47	20.00	1 30	Residue of sugar beets dried, after extraction of sugar.	As certified, -----	6408
1.50	0.50	16.87	20.00	27 00	Residue of sugar beets dried, after extraction of sugar.	As certified, -----	6394
1.35	0.50	15.72	20.00	27 00	Residue of sugar beets dried, after extraction of sugar.	As certified, -----	6278

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6289	----- The Larrowe Milling Co., Detroit, Mich.	Copemaugh, F. B. Custer & Bros.	89	Per et. 4.61	Per et. 9.88	Per et. 8.00
7458	----- The Larrowe Milling Co., Detroit, Mich.	Carnegie, C. A. Foster, ---	1258	7.29	8.81	8.00
6370	----- The Larrowe Milling Co., Detroit, Mich.	Meehanicsburg, A. B. Harnish.	170	7.81	10.13	8.00
7559	----- The Larrowe Milling Co., Detroit, Mich.	McKeesport, Keystone Com. Co.	1359	7.26	9.33	8.00
7311	----- The Larrowe Milling Co., Detroit, Mich.	Pottstown, A. K. Kulp, ---	1111	8.32	9.19	8.00
6343	----- The Larrowe Milling Co., Detroit, Mich.	Spring Grove, Menges Bros. & Stauffer.	143	6.96	9.69	8.00
7592	----- The Larrowe Milling Co., Detroit, Mich.	Braddock, Irvin Muir, -----	1392	8.50	8.88	8.00
6272	----- The Larrowe Milling Co., Detroit, Mich.	New Holland, Musselman Bros.	72	5.91	10.09	8.00
6850	----- The Larrowe Milling Co., Detroit, Mich.	Indiana, James St. Clair,---	650	9.90	8.56	8.00
6287	----- The Larrowe Milling Co., Detroit, Mich.	Johnstown, Swope Bros.,---	87	7.19	9.75	8.00
7013	----- The Larrowe Milling Co., Detroit, Mich.	Houston, W. M. Templeton.	813	7.67	8.56	8.00
7572	----- The Larrowe Milling Co., Detroit, Mich.	Hmestead, Vallowe Bros.,---	1372	9.30	8.25	8.00
6737	----- The Larrowe Milling Co., Detroit, Mich.	Mercersburg, J. A. Wither-spoon.	537	7.46	9.50	8.00
		Average, -----		7.83	9.43	-----
7325	Dried Beet Pulp and Molasses. The Larrowe Milling Co., Detroit, Mich.	Norristown, Simpson Bros.,	1125	8.01	8.25	9.00
	MIXED FEEDS.					
	Proprietary Dairy and Stock Feeds.					
6465	Aeme Feed, Aeme Milling Co., Olean, N. Y.	Coudersport, Gates Bros.,---	265	12.96	9.50	7.00
6630	Aeme Feed, Aeme-Evans Co., Indianapolis, Ind.	Charleroi, R. C. Mountser,	430	10.88	16.75	16.50
6951	Dairy Feed, Altoona Feed Mills, Altoona, Pa.	Altoona, S. O. Adler & Sons.	751	10.57	10.33	7.00
6708	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Shippensburg, Allison & Fogelsonger.	508	11.98	18.83	16.50
7388	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Doylestown, Henry S. Beidler.	1188	7.28	19.81	16.50

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
0.85	0.50	19.52	20.00	\$27 00	Residue of sugar beets dried, after extraction of sugar.	As certified, -----	6289
1.25	0.50	19.30	20.00	26 00	Residue of sugar beets dried, after extraction of sugar.	As certified, -----	7458
1.20	0.50	18.97	20.00	1 35	Residue of sugar beets dried, after extraction of sugar.	As certified, -----	6370
1.10	0.50	18.85	20.00	25 00	Residue of sugar beets dried, after extraction of sugar.	As certified, -----	7559
1.00	0.50	18.75	20.00	1 35	Residue of sugar beets dried, after extraction of sugar.	As certified, -----	7311
1.73	0.50	18.07	20.00	1 35	Residue of sugar beets dried, after extraction of sugar.	As certified, -----	6343
1.30	0.50	19.25	20.00	1 50	Residue of sugar beets dried, after extraction of sugar.	As certified, -----	7592
1.23	0.50	16.10	20.00	26 00	Residue of sugar beets dried, after extraction of sugar.	As certified, -----	6272
1.25	0.50	18.50	20.00	1 40	Residue of sugar beets dried, after extraction of sugar.	As certified, -----	6850
1.53	0.50	18.70	20.00	28 00	Residue of sugar beets dried, after extraction of sugar.	As certified, -----	6287
1.25	0.50	18.00	20.00	26 00	Residue of sugar beets dried, after extraction of sugar.	As certified, -----	7013
1.15	0.50	18.47	20.00	31 00	Residue of sugar beets dried, after extraction of sugar.	As certified, -----	7572
1.20	0.50	16.63	20.00	1 50	Residue of sugar beets dried, after extraction of sugar.	As certified, -----	6737
1.27	-----	18.11	-----	27 38			
1.35	0.50	16.55	18.00	27 00	Dried beet pulp 90%, beet molasses 10%.	As certified, -----	7325
4.40	3.00	5.47	9.00	1 50	Corn, hominy and oat hulls.	As certified, -----	6465
4.85	4.00	7.92	9.00	32 00	Wheat bran, wheat middlings and ground wheat screenings, mills run.	As certified, -----	6630
4.05	3.00	6.05	9.00	34 00	Corn, oat middlings and oat hulls.	As certified, -----	6951
6.84	3.50	9.99	9.00	1 40	Cottonseed meal, gluten feed, molasses, oat clippings and ground and bolted screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	6708
5.05	3.50	11.88	9.00	29 00	Cottonseed meal, gluten feed, molasses, oat clippings and ground and bolted screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	7388

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
7523	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Littlestown, D. E. Buckey & Son.	1323	11.56	17.81	16.50
6428	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Danville, Danville Milling Co.	228	10.62	17.94	16.50
6726	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Chambersburg, Diehl, Omwake & Diehl.	526	11.22	18.23	16.50
6338	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	York, Ebbert Bros., -----	138	10.10	18.09	16.50
6712	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Lititz, Elmer Eby, -----	17	14.93	18.08	16.50
7084	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Somerset, John G. Emert,	884	12.78	17.60	16.50
6539	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Center Hall, R. D. Foreman,	339	12.39	17.38	16.50
6541	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Mifflinburg, R. Foster & Son.	344	13.62	17.24	16.50
6622	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Monongahela, D. E. Gamble,	422	11.43	16.60	16.50
7006	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Washington, D. P. Hart,--	806	12.62	17.59	16.50

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.21	3.50	9.77	9.00	\$26 00	Cottonseed meal, gluten feed, molasses, oat clippings and ground and bolted screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	7523
5.46	3.50	10.77	12.00	1 40	Cottonseed meal, oats, barley, wheat, gluten, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	6428
5.17	3.50	11.25	12.00	26 00	Cottonseed meal, gluten feed, molasses, oat clippings and mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	6726
4.78	3.50	11.28	12.00	1 35	Cottonseed meal, oats, barley, wheat, gluten, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	6388
4.10	3.50	9.82	12.00	25 00	Cottonseed meal, gluten feed, molasses, oat clippings and mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of 1% salt.	Cottonseed meal, gluten feed, oat clippings, mixed broken grains from wheat, oat and barley screenings, a small amount of weed seeds, molasses and salt	6217
7.09	3.50	10.29	12.00	1 45	Cottonseed meal, oats, barley, wheat, gluten, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	7084
4.47	3.50	10.56	12.00	1 50	Cottonseed meal, gluten feed, molasses, oat clippings and mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	6539
4.05	3.50	15.11	12.00	1 50	Cottonseed meal, gluten feed, molasses, oat clippings and wheat, oat and barley screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	6544
5.32	3.50	11.82	12.00	1 40	Cottonseed meal, gluten feed, molasses, oat clippings and mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	6622
5.48	3.50	13.88	9.00	26 50	Cottonseed meal, gluten feed, molasses, oat clippings and ground and bolted grain screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	7006

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6779	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	West Chester, E. D. Hemp-hill.	579	Per ct. 11.08	Per ct. 13.61	Per ct. 16.50
6413	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Saunbury, Kift Milling Co.,	213	11.72	17.37	16.50
7044	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Uniontown, King Bros., ----	844	11.81	17.56	16.50
6936	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Luzerne, Luzerne Milling Co.	736	12.36	16.61	16.50
7371	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Edge Hill, James E. McCaughey.	1171	12.09	14.46	16.50
6231	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Manheim, F. K. Nauman,--	31	13.14	15.76	16.50
6241	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Lancaster, G. H. Shreiner,	41	14.43	19.10	16.50
6583	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Troy, Snedeker & Mitchell,	383	12.63	16.52	16.50
6250	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Leola, H. M. Stauffer, ----	50	13.22	13.21	16.50
7237	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Irwin, T. F. Wilson & Co.,	1037	12.61	15.10	16.50
5551	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Lewisburg, Wolfe & Shultz	351	11.80	13.30	16.50
Average, -----				12.01	17.52	-----

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
6.65	3.50	16.43	9.00	\$30 00	Cottonseed meal, gluten feed, molasses, oat clippings and ground and bolted grain screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	6779
5.37	3.50	11.19	12.00	1 40	Cottonseed meal, gluten feed, molasses, oat clippings and mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of 1% salt.	Corn, cottonseed meal, gluten feed, molasses, oat clippings and mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of 1% salt.	6413
5.07	3.50	9.53	9.00	32 00	Cottonseed meal, gluten feed, molasses, oat clippings and ground and bolted grain screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	7044
4.64	3.50	11.66	12.00	1 45	Cottonseed meal, gluten feed, molasses, oat clippings and wheat, oat and barley screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	6936
5.04	3.50	9.33	9.00	1 55	Cottonseed meal, gluten feed, molasses, oat clippings and ground and bolted grain screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	7371
4.32	3.50	10.07	12.00	26 00	Cottonseed meal, gluten feed, molasses, oat clippings and mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of 1% salt.	Cottonseed meal, gluten feed, molasses, oat clippings and mixed broken grains from wheat, oat and barley screenings, $\frac{1}{2}$ of 1% salt and a small amount of weed seeds.	6231
5.42	3.50	12.83	12.00	20 00	Cottonseed meal, gluten feed, molasses, oat clippings and mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	6241
4.67	3.50	10.82	12.00	1 40	Cottonseed meal, gluten feed, molasses, oat clippings and wheat, oat and barley screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	6583
3.95	3.50	11.63	12.00	26 00	Cottonseed meal, gluten feed, molasses, oat clippings and mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	6250
7.00	3.50	10.21	9.00	29 00	Cottonseed meal, gluten feed, molasses, oat clippings and ground and bolted grain screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	7237
4.87	3.50	11.83	12.00	28 00	Cottonseed meal, gluten feed, molasses, oat clippings and mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of 1% salt.	As certified, -----	6551
5.17	-----	11.12	-----	28 07			

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.		
					Found.	Guaranteed.	
6942	Prize Dairy Feed, T. M. Biddle, Altoona, Pa.	Altoona, T. M. Biddle, ---	742	Per et. 15.86	Per et. 9.66	Per et. 9.00	
7425	Ubiko Union Grains, Biles Ready Dairy Ration, The J. W. Biles Co., Cincinnati, Ohio.	Paoli, Edward F. Braeken,	1225	6.90	24.31	24.00	
7391	Ubiko Union Grains, Biles Ready Dairy Ration, The J. W. Biles Co., Cincinnati, Ohio.	Quakertown, S. S. Detweiler.	1191	6.55	24.25	24.00	
6865	Ubiko Union Grains, Biles Ready Dairy Ration, The J. W. Biles Co., Cincinnati, Ohio.	St. Marys, Jacob & Keller,	665	7.39	24.00	24.00	
7259	Ubiko Union Grains, Biles Ready Dairy Ration, The J. W. Biles Co., Cincinnati, Ohio.	Slatington, A. J. Kern, ---	1059	7.08	25.56	24.00	
6444	Ubiko Union Grains, Biles Ready Dairy Ration, The J. W. Biles Co., Cincinnati, Ohio.	Emporium, E. J. Rogers, --	244	6.67	24.75	24.00	
7253	Ubiko Union Grains, Biles Ready Dairy Ration, The J. W. Biles Co., Cincinnati, Ohio.	Allentown, G. B. Shelly Est.	1053	8.31	24.63	24.00	
6732	Ubiko Union Grains, Biles Ready Dairy Ration, The J. W. Biles Co., Cincinnati, Ohio.	Chambersburg, J. H. Smith & Son. #	532	7.56	26.69	24.00	

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.49	Per ct. 2.30	Per ct. 7.37	Per ct. 20.00	\$34 00	Corn, alfalfa and sugar beet syrup.	As certified, -----	6942
7.90	7.00	9.50	9.00	36 00	Fourex distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts and $\frac{1}{2}$ per cent fine table salt.	As certified, -----	7425
7.60	7.60	9.15	9.00	34 00	Fourex distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts and $\frac{1}{2}$ per cent. fine table salt.	As certified, -----	7391
8.30	7.60	7.00	9.00	1 85	Fourex distillers' dried grains, choice cottonmeal old process linseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts and $\frac{1}{2}$ per cent. salt.	As certified, -----	6865
7.63	7.00	10.05	9.00	1 70	Fourex distillers' dried grains, choice cottonseed meal, white wheat middlings, old process linseed meal, winter wheat bran, hominy meal, barley malt sprouts and a small percent of fine table salt.	As certified, -----	7259
7.95	7.00	9.25	9.00	1 70	Fourex distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts and $\frac{1}{2}$ percent salt.	As certified, -----	6444
8.30	7.00	9.57	9.00	35 00	Fourex distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts and $\frac{3}{4}$ per cent salt.	As certified, -----	7253
8.00	7.00	9.00	9.00	1 75	Fourex distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts and $\frac{3}{4}$ % salt.	As certified, -----	6732.

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6677	Ubiko Union Grains, Biles Ready Dairy Ration, The J. W. Biles Co., Cincinnati, Ohio.	Butler, George Walter & Sons.	477	Per ct. 7.25	Per ct. 24.88	Per ct. 24.00
6776	Ubiko Union Grains, Biles Ready Dairy Ration, The J. W. Biles Co., Cincinnati, Ohio.	Downingtown, Wells & Walker.	576	7.43	26.56	24.00
		Average, -----		7.23	25.07	-----
6496	Mixed Feed for Milch Cows, Geo. C. & F. A. Brooks, Wellsboro, Pa.	Wellsboro, Geo. C. and F. A. Brooks.	296	7.71	28.06	21-23
6831	Buceco Stock Feed, Buffalo Cereal Co., Buffalo, N. Y.	Phillipsburg, J. O. Reed, ---	631	7.77	10.38	9-10
6498	Unicorn Dairy Ration Chapin & Co., Hammond, Ind.	Wellsboro, Geo. C. & F. A. Brooks.	298	6.03	26.31	26.00
6727	Unicorn Dairy Ration, Chapin & Co., Hammond, Ind.	Chambersburg, Diehl, Omwake & Diehl.	527	8.54	28.44	26.00
7453	Unicorn Dairy Ration, Chapin & Co., Hammond, Ind.	Carnegie, C. A. Foster, ----	1253	6.61	28.06	26.00
7437	Unicorn Dairy Ration, Chapin & Co., Hammond, Ind.	Pittsburgh, The I. W. Scott Co.	1237	7.00	26.13	26.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 7.35	Per ct. 7.00	Per ct. 9.00	Per ct. 9.00	\$1 75	Fourex distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts and $\frac{3}{4}\%$ salt.	As certified, -----	6677
9.00	7.00	9.30	9.00	34 00	Fourex distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts and a small per cent. of fine table salt.	As certified, -----	6776
8.00	-----	9.09	-----	34 89	Cottonseed meal, buffalo gluten feed, dried brewers' grains, malt sprouts, wheat bran, buckwheat shorts, corn, buckwheat and oats.	As certified, -----	6496
6.58	5-6	9.27	7-8	31 00			
5.45	4-5	9.50	9.00	34 00	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts, oat hulls and oat middlings. Maximum salt $\frac{3}{4}$ of 1%.	As certified, -----	6831
8.28	5.5-6.5	8.70	9-10	1 70	Ajax flakes pure distiller's grains, green diamond cottonseed meal, green diamond hominy feed, gluten feed, brewers' grains, barley feed, malt sprouts and pure wheat bran.	As certified, -----	6498
6.45	5.5-6.5	7.82	9-10	34 00	Ajax flakes corn distillers' grains, green diamond cottonseed meal, green diamond hominy feed, gluten feed, brewers' grains, barley feed, malt sprouts and pure wheat bran.	As certified, -----	6727
6.35	5.50	9.15	10.00	35 00	Ajax flakes corn distillers' grains, green diamond cottonseed meal, green diamond hominy meal, gluten feed, brewer's grains, barley feed, malt sprouts and pure wheat bran.	As certified, -----	7453
6.35	5.50	9.95	10.00	35 00	Ajax flakes corn distillers' grains, green diamond cottonseed meal, green diamond hominy meal, gluten feed, brewer's grains, barley feed, malt sprouts and pure wheat bran.	As certified, -----	7437

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
7493	Unicorn Dairy Ration, Chapin & Co., Hammond, Ind.	Union City, Union Coal and Supply Co.	1293	Per ct. 7.50	Per ct. 27.63	Per ct. 26.00
7152	Duffee's Mixed Feed, Clyde D. Duffee, Oil City, Pa.	Average, ----- Oil City, Clyde D. Duffee,	952	7.13 10.48	27.31 14.06	----- 11-13
6347	Crystaloid Dairy Feed, Jonas F. Eby & Son, Lancaster, Pa.	Hanover, George Hull & Sons.	147	10.32	17.83	16.50
6432	Emporium Feed, Emporium Milling Co., Emporium, Pa.	Lock Haven, F. H. Dyer,	232	9.15	9.44	7.63
6449	Emporium Feed, Emporium Milling Co., Emporium, Pa.	Emporium, Emporium Milling Co.	249	9.63	9.44	7.63
		Average, -----		9.39	9.44	-----
6205	J. W. Eshelman's Home Made Dairy Feed, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	5	8.90	23.75	21-23
6509	Faramel Dairy Feed, Faramel Manufacturing Co., Buffalo, N. Y.	Bradford, Smith Bros., ---	303	15.02	22.36	15.00
6763	Holstein Sugar Feed, F. W. Goeke & Co., St. Louis, Mo.	Lewistown, H. C. Jackson,	563	17.37	15.64	16-17
7324	Holstein Sugar Feed, F. W. Goeke & Co., St. Louis, Mo.	Norristown, Simpson Bros.,	1124	11.28	14.60	16-17
		Average, -----		14.32	15.12	-----
6995	H. and S. Alfalfa Feed, Dwight E. Hamlin & Co., Pittsburgh, Pa.	Washington, C. B. Ruch, --	795	15.08	12.63	12.00
7128	H. and S. Alfalfa Feed, Dwight E. Hamlin & Co., Pittsburgh, Pa.	Brookville, Klines' Sifter Mills.	928	16.45	14.57	14.00
7364	New England Stock Feed, H-O-Co., Buffalo, N. Y.	Philadelphia, George Egolf & Co.	1164	7.84	10.19	9.00

FEEDING STUFFS COLLECTED IN 1912.- Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 6.10	Per ct. 5.50	Per ct. 8.55	Per ct. 10.00	\$7 70	Ajax flakes corn distillers' grains, green diamond cottonseed meal, green diamond hominy meal, gluten feed, brewers grains, barley feed, malt sprouts and wheat bran.	As certified, -----	7493
6.71	-----	8.89	-----	34 40			
3.90	3-4	5.40	5-7	34 00	Corn meal, rye middlings and wheat bran.	As certified, -----	7152
5.18	3.50	10.26	12.00	26 00	Cottonseed meal, oats, barley, wheat, gluten, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1% salt.	Cottonseed meal, corn, oats, barley, wheat, gluten feed, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1% salt.	6347
4.33	2.97	9.15	9.00	1 70	Corn, hominy, oats, hulls and oat middlings.	As certified, -----	6432
4.95	2.97	7.87	9.00	1 55	Corn, hominy, oats oat hulls and oat middlings.	As certified, -----	6419
4.64	-----	8.51	-----	1 63			
6.18	5-6	10.07	9-10	31 00	Gluten feed, linseed meal, mixed broken grains of cereal plants, separated from wheat, oats and barley screenings and cottonseed meal, wheat bran, molasses and salt.	As certified, -----	6205
2.61	3.00	7.42	10.00	31 00	Gluten, malt sprouts, wheat bran, corn meal and molasses.	As certified, -----	6509
4.08	3.00	9.58	12.00	27 00	Ground wheat, ground corn, ground oats, ground barley, malt sprouts, alfalfa meal, cottonseed meal, salt, molasses and ground grain screenings from wheat, corn, oats, flax and barley.	As certified, -----	6763
5.59	3.00	8.63	12 00	28 00	Ground wheat, ground corn, ground oats, ground barley, malt sprouts, alfalfa meal, cottonseed meal, salt, molasses and ground grain screenings from wheat, corn, oats, flax and barley.	As certified, -----	7324
4.84	-----	9.10	-----	27 50			
4.01	3.50	8.40	10.00	1 85	Alfalfa, corn, dried grains and molasses.	Alfalfa, corn, brewers' dried grains and molasses.	6995
6.69	3.50	12.09	16.00	1 90	Alfalfa, cane syrup and dried grains.	Alfalfa, brewers' dried grains and cane syrup.	7128
5.05	4.00	10.02	9.00	32 00	Corn, oat bran, hominy feed, oats, oat hulls and $\frac{1}{2}$ of 1% salt.	As certified, -----	7364

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.		
					Found.	Guaranteed.	
6517	Cremo Brand Cottonseed Feed, Humphreys, Godwin Co., Memphis, Tenn.	Snethport, F. A. Green, ---	317	Per et. 7.45	Per et. 24.50	Per et. 22.00	
7227	Cremo Brand Cottonseed Feed, Humphreys, Godwin Co., Memphis, Tenn.	Dushore, H. E. Oberts, ----	1027	9.16	22.44	20.00	
7193	Cremo Brand Cottonseed Feed, Humphreys, Godwin Co., Memphis, Tenn.	East Stroudsburg, J. M. Wyckoff.	993	7.86	23.50	20.00	
6489	Husted Germaline, Husted Milling Co., Buffalo, N. Y.	Average, ----- Wellsboro, Max Bernkopf & Bro.	289	8.15 17.50	23.48 10.04	----- 9-11	
6588	Husted Molasses Feed, Husted Milling Co., Buffalo, N. Y.	Troy, H. M. Spalding & Son.	388	13.28	19.64	18-20	
6873	Husted Stoeck Feed, Husted Milling Co., Buffalo, N. Y.	DuBois, Tiunlin, Kelly & Co.	673	8.29	11.00	8-10	
7597	C. O. & B. Feed, The Imperial Grain and Milling Co., Toledo, Ohio.	Braddock, Irwin Muir, ----	1397	8.29	9.00	8.90	
7595	Imperial Feed Meal, The Imperial Grain and Milling Co., Toledo, Ohio.	Braddock, Irwin Muir, ----	1395	9.19	8.44	7.00	
7030	Imperial Feed Meal, The Imperial Grain and Milling Co., Toledo, Ohio.	Seottdale, City Feed Store,	830	7.15	8.56	7.00	
6825	International Dairy Feed, International Sugar Feed Co., Minneapolis, Minn.	Average, ----- Parnassus, Johnston & Hamilton.	625	8.17 15.29	8.50 16.25	----- 16.50	
6822	International Hog Feed and Chareoal, International Sugar Feed Co., Minneapolis, Minn.	Parnassus, Johnston & Hamilton.	622	13.86	23.73	18.00	
6704	International Special Molasses Feed, International Sugar Feed Co., Minneapolis, Minn.	Carlisle, S. B. Jackson, ---	504	15.39	15.22	12.50	
6824	International Special Molasses Feed, International Sugar Feed Co., Minneapolis, Minn.	Parnassus, Johnston & Hamilton.	624	14.01	15.20	12.50	

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.05	Per ct. 5.00	Per ct. 20.30	Per ct. 22.00	\$1 50	Made from cottonseed products.	Cottonseed meal and cottonseed hulls.	6517
4.55	5.00	22.17	22.00	1 50	Choice cottonseed meal and cottonseed hull bran.	As certified, -----	7227
5.20	5.00	21.65	22.00	29 00	Choice cottonseed meal and cottonseed hull bran.	As certified, -----	7193
4.93 6.38	----- 3-5	21.37 2.92	----- 4.00	29 67 1 50	Corn meal and molasses.	As certified, ----- As certified, -----	6489 6588
5.32	4-6	7.37	8-9	1 65	Cottonseed meal, gluten feed, oat clips, corn meal, oil meal, wheat middlings, distillers' grains, malt sprouts, molasses and $\frac{1}{2}$ of 1% salt.		
5.55	4-6	7.15	7-9	1 80	Corn, oats, oat hulls, hominy, middlings and $\frac{1}{2}$ of 1% salt.	As certified, -----	6873
3.80	3.70	10.67	9.00	1 45	Shelled and ear corn, oats, barley, wheat flour, oat hulls, oat shorts, oat middlings, cotton-seed meal and $\frac{1}{2}$ of 1% salt.	As certified, -----	7597
4.15	2.50	8.87	9.00	1 30	Ear corn and $\frac{1}{2}$ of 1% salt.	As certified, -----	7595
3.63	2.50	6.50	9.00	1 75	Ear corn and $\frac{1}{2}$ of 1% salt.	As certified, -----	7030
3.89 5.77	----- 3.50	7.68 13.08	----- 12.00	1 53 1 60	Cottonseed meal, molasses, mixed broken grains of cereal plants, separated from wheat, oats, barley and flax screenings, oat clips and salt.	Cottonseed meal, molasses, mixed broken grains of cereal plants, separated from wheat, oats, barley and flax screenings, oat clips, salt and a small amount of weed seeds.	6825
5.18	3.50	12.08	12.00	1 85	Old process oil meal, tankage, molasses, mixed broken grains of cereal plants, separated from wheat, oats, barley and flax screenings, salt and charcoal.	As certified, -----	6822
5.97	3.50	11.77	12.60	29 00	-----	Cottonseed meal, oat clips, mixed broken grains separated from wheat, oats, barley and flax screenings, salt, molasses and small amount of weed seeds.	6704
5.61	3.50	12.46	12.00	1 50	Cottonseed meal, molasses, mixed broken grains of cereal plants, separated from wheat, oats, barley and flax screenings, oat clips and salt.	Cottonseed meal, molasses, mixed broken grains of cereal plants separated from wheat, oats, barley and flax screenings, oat clips, salt and a small amount of weed seeds.	6824

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
6613	International Special Molasses Feed, International Sugar Feed Co., Minneapolis, Minn.	Greensburg, McFarland Supply Co.	413	Per ct. 13.88	Per ct. 15.71	Per ct. 12.50
6674	International Special Molasses Feed, International Sugar Feed Co., Minneapolis, Minn.	Butler, George Walter & Sons.	444	12.48	14.16	12.50
		Average, -----		13.94	15.07	-----
7131	Jem Feed, Jamestown Electric Mills, Jamestown, N. Y.	Reynoldsville, Fales Grocery Co.	934	7.32	9.81	8.50
6468	Purity Milk Maker, Jamestown Electric Mills, Jamestown, N. Y.	Westfield, F. A. Aekley, ---	268	7.78	22.63	22-24
7386	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Doylestown, Henry S. Beidler.	1186	17.93	15.47	16.00
7214	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Tunkhannock, Brown & Fassett.	1014	16.86	16.42	16.60
6799	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	West Grove, S. K. Chambers & Bro.	599	15.26	17.15	16.00
7295	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Hamburg, Dreibelbis & Co.,	1095	12.75	18.66	16.00
6960	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Hollidaysburg, O. J. Fay,---	760	15.76	17.45	16.00
7002	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	New Castle, Fisher & Mengle.	892	13.80	17.77	16.00
7347	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	West Point, L. W. Mattern,	1147	14.04	17.36	16.00
6269	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	New Holland, E. M. Rutter & Co.	69	15.66	17.53	16.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 6.61	Per ct. 3.50	Per ct. 13.31	Per ct. 12.00	\$28 00	Cottonseed meal, molasses, mixed broken grains of cereal plants, separated from wheat, oats, barley and flax screenings, oat clips and salt.	Cottonseed meal, molasses, mixed broken grains of cereal plants separated from wheat, oats, barley and flax screenings, oat clips, salt, chaff and small amount of weed seeds.	6013
4.91	3.50	12.16	12.00	1 50	Cottonseed meal, molasses, mixed broken grains of cereal plants, separated from wheat, oats, barley and flax screenings, oat clips and salt.	Cottonseed meal, molasses, mixed broken grains of cereal plants separated from wheat, oats, barley and flax screenings, oat clips, salt and a small amount of weed seeds.	6074
5.78	-----	12.42	-----	29 25			
6.58	3.00	10.70	5.00	1 30	Western corn and oat hulls.	As certified, -----	7134
8.85	7-8	10.82	9-10	1 75	Choice cottonseed meal, O. P. oil meal, hominy meal, distillers' grains, malt sprouts, and small percent of fine salt.	As certified, -----	6408
3.18	2.00	14.08	15.00	27 00	Cottonseed meal, corn oil meal, malt sprouts, dried brewers' grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1% salt.	As certified, -----	7386
4.42	2.00	11.74	15.00	1 40	Cottonseed meal, corn oil meal, malt sprouts, dried brewers' grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1% salt.	As certified, -----	7214
4.41	2.00	13.41	15.00	29 00	Cottonseed meal, corn oil meal, malt sprouts, dried grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1% salt.	As certified, -----	6799
2.77	2.00	12.80	15.00	25 00	Cottonseed meal, corn oil meal, malt sprouts, dried grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1% salt.	As certified, -----	7295
3.81	2.00	12.43	15.00	28 00	Cottonseed meal, corn oil meal, malt sprouts, dried grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1% salt.	As certified, -----	6900
2.84	2.00	13.67	15.00	1 35	Cottonseed meal, corn oil meal, malt sprouts, dried grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1% salt.	As certified, -----	7052
4.36	2.00	15.44	15.00	27.00	Cottonseed meal, corn oil meal, malt sprouts, dried brewers' grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1% salt.	As certified, -----	7347
1.55	2.00	12.54	15.00	1 25	Cottonseed meal, corn oil meal, malt sprouts, dried grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1% salt.	As certified, -----	6269

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
6717	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Newville, S. E. Shenk, -----	517	14.54	19.29	16.00
6329	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	York, H. H. Snayser, -----	129	15.29	16.42	16.00
6748	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Newport, F. M. Snyder & Co.	548	15.15	17.77	16.00
6761	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Lewistown, Spanogle-Yeager Milling Co.	561	14.58	15.91	16.00
7314	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Pottstown, S. B. Wagener & Co.	1114	14.63	16.85	16.00
6789	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Kennett Square, W. H. Walker & Co.	589	15.55	17.49	16.00
7359	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Ambler, J. Watson Craft,--	1159	15.77	16.66	16.00
6536	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Center Hall, J. H. and S. E. Weber.	336	12.61	18.59	16.00
7503	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Gettysburg, C. M. Wolf, --	1303	14.75	16.30	16.00
		Average, -----		15.00	17.24	-----
6788	Badger Evergreen Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Kennett Square, W. H. Walker & Co.	588	22.12	12.20	10.00
6975	Badger Fancy Mixed Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Martinsburg, Nelson Keip,--	775	10.71	13.81	11.00
6417	Kift's Creamery Dairy Feed, Kift Milling Co., Sunbury, Pa.	Sunbury, Kift Milling Co.,	217	8.22	20.83	18-25
7368	Kay Molasses Feed, Kornfalfa Feed Milling Co., Kansas City, Mo.	Philadelphia, George Egolf & Co.	1168	12.71	10.85	8.00
7369	Kornfalfa Kandy Feed, Kornfalfa Feed Milling Co., Kansas City, Mo.	Philadelphia, George Egolf & Co.	1169	13.16	2.50	9.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 2.86	Per ct. 2.00	Per ct. 13.75	Per ct. 15.00	\$1 40	Cottonseed meal, corn oil meal, malt sprouts, dried grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1% salt.	As certified, -----	6717
2.17	2.00	11.02	15.00	25 00	Cottonseed meal, corn oil meal, malt sprouts, dried grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1% salt.	As certified, -----	6329
2.84	2.00	13.61	15.00	1 45	Cottonseed meal, corn oil meal, malt sprouts, dried grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1% salt.	As certified, -----	6748
2.07	2.00	12.86	15.00	1 50	Cottonseed meal, corn oil meal, malt sprouts, dried grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1% salt.	As certified, -----	6761
3.09	2.00	12.24	15.00	27 00	Cottonseed meal, corn oil meal, malt sprouts, dried brewers' grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1% salt.	As certified, -----	7314
2.31	2.00	12.50	15.00	29 00	Cottonseed meal, corn oil meal, malt sprouts, dried grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1% salt.	As certified, -----	6780
2.80	2.00	11.05	15.00	29 00	Cottonseed meal, corn oil meal, malt sprouts, dried brewers' grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1% salt.	As certified, -----	7359
2.59	2.00	13.84	15.00	28 00	Cottonseed meal, corn oil meal, malt sprouts, dried grains, alfalfa meal, molasses, and $\frac{1}{4}$ of 1% salt.	As certified, -----	6536
3.65	2.00	13.49	15.00	1 35	Cottonseed meal, corn oil meal, malt sprouts, dried brewers' grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1% salt.	As certified, -----	7503
3.04	-----	12.96	-----	27 53			
1.07	1.00	12.92	30.00	32 00	Alfalfa and syrup.	As certified, -----	6788
6.50	3.00	6.15	9.00	32 60	Wheat bran and maize red dog flour.	As certified, -----	6975
5.25	5-6	9.82	10-12	1 50	Cottonseed meal, gluten feed, malt sprouts, wheat bran, wheat middlings, corn and oats chop, mixed broken grains containing wheat, barley, oats, corn and flax, molasses and $\frac{1}{4}$ of 1% salt.	As certified, -----	6417
2.51	1.50	12.69	17.00	33 00	Alfalfa, corn, oats and molasses.	As certified, -----	7368
2.32	2.50	10.93	12.00	34 00	Alfalfa, corn, oats and molasses.	As certified, -----	7369

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
7410	Kornfalfa Kandy Feed, Kornfalfa Feed Milling Co., Kansas City, Mo.	Chester, T. Frank McCall,	1210	Per ct. 13.55	Per ct. 10.23	Per ct. 9.00
		Average, -----		13.35	9.87	-----
7309	Larro-Feed, The Larrowe Milling Co., Detroit, Mich.	Pottstown, A. K. Kulp, ---	1105	7.89	20.13	19.00
7181	Best Mixed Feed for Cows, C. P. Matthews & Sons, Inc., Scranton, Pa.	Scranton, C. P. Matthews & Sons, Inc.	981	8.82	20.56	15.00
6900	Best Mixed Feed for Cows, C. P. Matthews & Sons, Inc., Scranton, Pa.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	700	10.18	21.50	15.00
		Average, -----		9.50	21.03	-----
6561	McMahan's Special Pig Grower, C. H. McMahan, Milton, Pa.	Milton, C. H. McMahan, --	361	9.16	17.94	15-15.87
6564	Milk and Muscle Producer, C. H. McMahan, Milton, Pa.	Milton, C. H. McMahan, ---	364	6.40	23.81	23-25
7430	Maltine Dairy Feed, The Miller & Neal Co., Warren, Ohio.	Pittsburgh, The I. W. Scott Co.	1230	13.33	28.03	26-28
7209	Mihimico Stock Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Lehighton, H. W.ENZIAN,---	1069	10.20	11.39	11-15
7171	Mihimico Stock Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Scranton, Miner-Hillard Milling Co.	971	9.33	12.25	11-15
6910	Mihimico Stock Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	710	8.36	12.25	11-15
		Average, -----		9.29	12.06	-----
6931	Sugarota Dairy Feed, North West Mills Co., Winona, Minn.	Nanticoke, Bergin & Co.,--	731	12.53	16.11	16.50
7420	Sugarota Dairy Feed, North West Mills Co., Winona, Minn.	Paoli, Edward F. Bracken,	1220	14.23	15.27	16.50
7522	Sugarota Dairy Feed, North West Mills Co., Winona, Minn.	Littlestown, D. E. Buckey & Son.	1322	12.56	17.22	16.50

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 2.73	Per ct. 2.50	Per ct. 10.72	Per ct. 12.00	\$32 09	Alfalfa, corn, oats and molasses.	As certified, -----	7410
2.53	-----	10.82	-----	33 00			
3.90	3.00	13.00	14.00	1 60	Cottonseed meal, gluten feed, distillers' grains, dried beet pulp, wheat bran, wheat middlings and $\frac{1}{2}$ of 1% salt.	As certified, -----	7309
5.93	5.00	6.62	8.00	1 65	Middlings, corn meal, linseed meal and gluten.	As certified, -----	7181
5.00	5.00	6.60	8.00	36 00	Middlings, corn meal, linseed meal and gluten.	As certified, -----	6900
5.47	-----	6.61	-----	34.50			
6.45	8-8.50	6.05	6-7	32 00	Brewers' dried grains, cottonseed meal, hominy meal and wheat middlings.	As certified, -----	6561
6.40	7-9	12.15	10-11	32 00	Brewers' dried grains, malt sprouts, cottonseed meal, and hominy meal.	As certified, -----	6564
5.43	4-5	9.47	11-13	32 00	Malt sprouts, distillers' dried grains, cottonseed meal, malt sugar grains, molasses and salt.	As certified, -----	7430
3.47	5-7	6.50	8-10	2 00	Alfalfa, hominy feed, middlings, corn, oats, oil meal, and salt.	As certified, -----	7269
5.30	5-7	6.70	6-10	36 00	Alfalfa, hominy feed, middlings, corn, oats, oil meal, and salt.	As certified, -----	7171
5.00	5-7	7.70	8-10	1 85	Alfalfa, hominy feed, middlings, corn, oats, oil meal, and salt.	As certified, -----	6910
4.59	-----	6.96	-----	27.67			
6.44	3.50	12.26	14.00	1 40	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn, and flax, molasses and a small percent. of salt.	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn and flax, molasses, salt and small amount of weed seeds.	6931
4.61	3.50	11.98	12.00	28 00	Malt sprouts, cottonseed meal, mixed broken grains from screenings containing corn, oats, barley, wheat, flax, spelt, buckwheat, molasses and a small percent of salt.	As certified, -----	7420
5.40	3.50	11.52	14.00	26 60	Cottonseed meal, malt sprouts, mixed broken grains containing corn, wheat, barley, spelt, etc., molasses and salt.	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing corn, wheat, barley and spelt, molasses and salt.	7522

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6723	Sugarota Dairy Feed, North West Mills Co., Winona, Minn.	Chambersburg, Diehl, Omwake & Diehl.	523	Per ct. 3.58	Per ct. 16.88	Per ct. 16.50
6371	Sugarota Dairy Feed, North West Mills Co., Winona, Minn.	Mechanicsburg, A. B. Harnish.	171	13.18	15.98	16.50
6514	Sugarota Dairy Feed, North West Mills Co., Winona, Minn.	Smethport, C. Herzog, -----	314	9.83	18.42	16.50
6416	Sugarota Dairy Feed, North West Mills Co., Winona, Minn.	Sunbuy, Kift Milling Co.,	216	11.12	16.41	16.50
7408	Sugarota Dairy Feed, North West Mills Co., Winona, Minn.	Chester, T. Frank McCall,	1208	9.41	18.77	16.50
7248	Sugarota Dairy Feed, North West Mills Co., Winona, Minn.	Blairsville, George J. New,	1048	12.53	16.74	16.50
6396	Sugarota Dairy Feed, North West Mills Co., Winona, Minn.	Annville, Newgard & Bachman.	196	11.26	16.39	16.50
6328	Sugarota Dairy Feed, North West Mills Co., Winona, Minn.	York, H. H. Smyser, -----	128	13.87	17.01	16.50
6404	Sugarota Dairy Feed, North West Mills Co., Winona, Minn.	Palmyra, A. S. Stauffer, --	204	12.06	15.36	16.50

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.00	Per ct. 3.50	Per ct. 13.40	Per ct. 14.00	\$1 30	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn, flax, molasses and a small percent of salt.	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn and flax, molasses, salt and small amount of weed seeds.	6723
5.03	3.50	13.46	14.00	26 50	Cottonseed meal, malt sprouts, mixed broken grains containing corn, wheat, oats, barley, spelts, etc., molasses and salt.	Cottonseed meal, malt sprouts, mixed broken grains of corn, wheat, oats, barley and spelts, molasses, salt and small amount of weed seeds.	6371
4.83	3.50	13.75	14.00	1 40	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn, flax, molasses and small percent of salt.	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn and flax, molasses, salt and small amount of weed seeds.	6514
4.81	3.50	13.23	14.00	1 85	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn, flax, molasses and small percent of salt.	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn and flax, molasses, salt and weed seeds.	6416
4.28	3.50	11.64	12.00	28 00	Malt sprouts cottonseed meal, mixed broken grains from screenings containing corn, oats, barley, wheat, flax, spelts, buckwheat, molasses and a small percent of salt.	As certified, -----	7408
4.96	3.50	13.25	14.00	26 00	Cottonseed meal, malt sprouts, mixed broken grains containing corn, wheat, barley, spelts, etc., molasses and salt.	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing corn, wheat, barley and spelts, molasses and salt.	7248
5.13	3.50	12.99	14.00	25 00	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn, flax, molasses and small percent of salt.	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn and flax, molasses, salt and small amount of weed seeds.	6396
5.43	3.50	11.92	14.00	25 00	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn, flax, molasses and small percent of salt.	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn and flax, molasses, salt and small amount of weed seeds.	6328
4.43	3.50	14.06	12.00	26 00	Malt sprouts, cottonseed meal, mixed broken grains from screenings containing corn, oats, barley, wheat, flax, spelts, buckwheat, molasses and a small percent of salt.	Malt sprouts, cottonseed meal, mixed broken grains from screenings containing corn, oats, barley, wheat, flax, spelts, buckwheat and small amount of weed seeds, molasses and salt.	6404

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.		
					Found.	Guaranteed.	
7600	Sugarota Dairy Feed, North West Mills Co., Winona, Minn.	Wilkinsburg, Wilkinsburg Milling Co.	1400	Per ct. 11.60	Per ct. 10.68	Per ct. 16.50	
		Average, -----		11.76	16.71	-----	
6997	Alcorn Alfalfa Feed, The Oatequal Co., Columbus, Ohio.	Washington, Henry O. Myers.	797	15.56	8.99	10.00	
7165	Alfalfa-Sry Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	Oil City, New Model Milling Co.	965	18.96	10.15	10.00	
6309	Cream Alfalfa Dairy Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	York, Anderson Bros & Co.,	109	17.49	10.24	11.00	
7163	Cream Alfalfa Dairy Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	Oil City, New Model Milling Co.	963	15.10	10.27	11.00	
6841	Cream Alfalfa Dairy Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	Munson Station, Jacob Smutzinger.	641	16.05	19.15	11.00	
		Average, -----		16.21	10.22	-----	
6312	Green Meadow Dairy Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	York, Anderson Bros. & Co.,	112	15.90	12.22	11.00	
6210	Green Meadow Dairy Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	Lancaster, John R. Burkholder.	10	18.70	11.94	11.00	
6335	Green Meadow Dairy Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	York, Jacob Eyster, -----	135	15.85	11.83	11.00	
7562	Green Meadow Dairy Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	McKeesport, Keystone Com. Co.	1362	16.70	12.55	11.00	
7509	Green Meadow Dairy Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	Gettysburg, McIlhenny Bros.,	1309	17.53	12.10	11.00	
7164	Green Meadow Dairy Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	Oil City, New Model Milling Co.	964	17.51	9.96	11.00	
6306	Green Meadow Dairy Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	Harrisburg, J. H. Sheesley,	166	15.60	15.05	11.00	
6839	Green Meadow Dairy Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	Munson Station, Jacob Smutzinger.	639	18.95	10.58	11.00	
		Average, -----		17.09	12.03	-----	
7433	Mixed Feed, Otto Weiss Stock Feed, The Otto Weiss Alfalfa Stock Food Co., Wichita, Kans.	Pittsburgh, The I. W. Scott Co.	1233	8.42	12.56	11.00	
7431	Mixed Feed, Otto Weiss Sweet Feed No. 4, The Otto Weiss Alfalfa Stock Food Co., Wichita, Kans.	Pittsburgh, The I. W. Scott Co.	1231	12.38	11.14	10.00	
7438	Peters' Alfalfa Queen Dairy Feed, M. C. Peters Mill Co., Omaha, Neb.	Canonsburg, Wm. H. Duulap, Jr.	1238	12.44	14.55	17.50	

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.90	Per ct. 3.50	Per ct. 12.71	Per ct. 14.00	\$1 50			
5.06	-----	12.78	-----	26.88	Cottonseed meal, malt sprouts, mixed broken grains containing corn, wheat, barley, spelts, etc., molasses and salt.	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing corn, wheat, barley, flaxseed and spelts, molasses and salt.	7600
2.77	3.00	9.74	14.00	2 00	Oats, corn, alfalfa, brewers' grains, oat middlings, oat shorts, oat hulls and molasses.	As certified, -----	6997
2.48	1.00	14.26	25.00	1 65	Alfalfa meal and syrup,	As certified, -----	7165
2.44	2.25	8.37	15.00	28 00	Corn, alfalfa meal and molasses.	As certified, -----	6309
3.86	2.25	7.15	15.00	1 75	Corn, alfalfa meal and molasses.	As certified, -----	7163
3.07	2.25	8.44	15.00	1 60	Corn, alfalfa meal and molasses.	As certified, -----	6841
3.12	-----	7.98	-----	31 67			
2.10	2.00	16.82	25.00	27 00	Alfalfa meal and syrup,	As certified, -----	6312
0.90	1.00	13.77	26.00	1 25	Alfalfa meal and molasses.	As certified, -----	6210
0.67	1.00	14.08	25.00	1 45	Alfalfa meal and molasses.	As certified, -----	6335
1.10	1.00	13.74	25.00	28 00	Alfalfa meal and molasses.	As certified, -----	7562
1.65	1.00	15.34	25.00	27 00	Alfalfa meal and molasses.	As certified, -----	7569
2.28	1.00	16.66	25.00	1 65	Alfalfa meal and molasses.	As certified, -----	7164
0.81	1.00	14.69	25.00	1 50	Alfalfa meal and molasses.	As certified, -----	6306
2.35	2.00	17.35	25.00	1 60	Alfalfa meal and syrup,	As certified, -----	6839
1.48	-----	15.31	-----	28 88			
3.80	3.50	12.55	14.00	34 00	Alfalfa corn chop, wheat bran, shorts and $\frac{3}{4}$ of 1% salt.	As certified, -----	7433
3.41	2.00	13.52	15.00	35 00	Alfalfa, cracked corn, oats and cane molasses.	As certified, -----	7431
3.52	2.00	9.06	12.60	1 75	Gluten meal, corn meal, cottonseed meal, alfalfa meal, light with molasses.	As certified, -----	7438

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
7083	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, Ohio.	Somerset, John G. Emert,--	883	Per ct. 7.75	Per ct. 8.75	Per ct. 10.00
6812	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, Ohio.	Kittanning, William Gates Estate.	612	9.80	8.50	10.00
7542	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, Ohio.	Derry, W. B. Gilson & Co.,	1342	9.42	10.88	10.00
6962	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, Ohio.	Hollidaysburg, H. M. Hull,	762	9.26	9.69	10.00
6764	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, Ohio.	Lewistown, H. C. Jackson,	564	9.25	8.44	10.00
7048	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, Ohio.	Uniontown, King Bros., ----	848	9.03	9.09	10.00
6607	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, Ohio.	Latrobe, Latrobe Wholesale Grocery Co.	407	8.35	9.00	10.00
6985	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, Ohio.	Bedford, D. W. Prosser, --	785	9.27	8.75	10.00
7105	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, Ohio.	New Castle, P. Wagner & Son.	905	8.68	9.06	10.00
		Average, -----		8.97	9.12	-----
7026	Pritts' Alfalfa Cow Feed, J. E. Pritts, Scottsdale, Pa.	Scottsdale, J. E. Pritts, ----	826	8.80	22.94	20-24
7028	Pritts' Pig Feed, J. E. Pritts, Scottsdale, Pa.	Scottsdale, J. E. Pritts, ----	828	11.45	15.00	13.00
6785	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	West Chester, I. H. Bailey,	585	8.38	27.31	25.00
7233	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Towanda, The Dayton Mill-Co.	1033	8.59	26.66	25.00
6491	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Wellsboro, R. J. Dunham,--	291	8.08	26.07	25.00
6728	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Chambersburg, E. A. Faust & Co.	528	9.78	25.00	25.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.70	Per ct. 3.50	Per ct. 9.00	Per ct. 9.00	\$1 80	Shelled corn, barley, oat shorts and oat middlings.	Shelled corn, barley, oat shorts, oat middlings and oat hulls.	7083
4.40	3.50	10.22	9.00	1 75	Shelled corn, barley, oat shorts and oat middlings.	Shelled corn, barley, oat shorts, oat middlings and oat hulls.	6812
5.30	3.50	7.25	9.00	32.00	Shelled corn, barley, oat shorts, oat hulls and oat middlings.	As certified, -----	7542
4.60	3.50	7.15	9.00	34 00	Shelled corn, barley, oat shorts and oat middlings.	Shelled corn, barley, oat shorts, oat middlings and oat hulls.	6962
4.13	3.50	11.34	9.00	1 60	Shelled corn, barley, oat shorts and oat middlings.	Shelled corn, barley, oat shorts, oat middlings and oat hulls.	6764
4.55	3.50	8.75	9.00	35 00	Shelled corn, barley, oat shorts and oat middlings.	Shelled corn, barley, oat shorts, oat middlings and oat hulls.	7048
4.33	3.50	11.98	9.00	33 00	Shelled corn, barley, oat shorts and oat middlings.	Shelled corn, barley, oat shorts, oat middlings and oat hulls.	6607
4.25	3.50	8.42	9.00	1 75	Shelled corn, barley, oat shorts and oat middlings.	Shelled corn, barley, oat shorts, oat middlings and oat hulls.	6985
4.35	3.50	8.27	9.00	1 90	Shelled corn, barley, oat shorts and oat middlings.	Shelled corn, barley, oat shorts, oat middlings and oat hulls.	7105
4.51	-----	9.15	-----	34 44			
5.10	5-8	8.95	9.00	1 75	Wheat bran, wheat middlings, corn, alfalfa and cottonseed meal.	As certified, -----	7026
4.45	3.00	3.60	14.00	1 75	Corn meal, red dog, middlings and alfalfa.	As certified, -----	7028
5.00	4.00	9.47	9.00	35 00	Wheat bran, cottonseed meal, malt sprouts, corn, molasses, oatmeal mill by-products (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1% salt.	As certified, -----	6785
6.95	4.00	11.66	9.00	1 65	Wheat bran, cottonseed meal, malt sprouts, molasses, hominy feed and oatmeal mill by-product (oat middlings, oat hulls, oat shorts).	As certified, -----	7233
5.32	4.00	10.99	9.00	32 00	Wheat bran, cottonseed meal, malt sprouts, molasses, hominy feed and oatmeal mill by-product (oat middlings, oat hulls, oat shorts).	As certified, -----	6491
5.25	4.00	10.59	9.00	1 70	Wheat bran, cottonseed meal, malt sprouts, corn, molasses, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1% salt.	As certified, -----	6728

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
6696	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Zelienople, J. J. Kennedy, --	496	Per ct. 10.28	Per ct. 25.21	Per ct. 25.00
6678	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Harmony, S. D. Kirker, ---	478	9.24	25.35	25.00
6223	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Manheim, The Lancaster County Farmers' Association.	23	7.74	24.06	25.00
6902	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	702	10.69	25.48	25.00
6478	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Westfield, H. Z. Pride & Son.	278	9.76	26.86	25.00
7579	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Pitcairn, D. F. Salyards, --	1379	9.06	24.25	25.00
7401	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Quakertown, T. and J. Strawn.	1201	9.63	20.88	25.00
		Average, -----		9.20	25.14	-----
7570	Boss Feed, The Quaker Oats Co., Chicago, Ill.	McKeesport, A. Davison, --	1370	8.91	9.00	8.00
6346	Boss Feed, The Quaker Oats Co., Chicago, Ill.	Hanover, George Hull & Sons.	146	8.33	9.81	8.00
7113	Boss Feed, The Quaker Oats Co., Chicago, Ill.	Sharon, William E. Kelly, --	913	8.95	8.44	8.00
7413	Boss Feed, The Quaker Oats Co., Chicago, Ill.	Chester, T. Frank McCall, --	1213	9.47	9.56	8.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 6.35	Per ct. 4.00	Per ct. 10.34	Per ct. 9.00	\$32 00	Wheat bran, cottonseed meal, malt sprouts, molasses, hominy feed, oatmeal mill by-products (oat middlings, oat hulls, oat shorts).	Wheat bran, cottonseed meal, malt sprouts, molasses, hominy feed, oat meal mill by-products (oat middlings, oat hulls, oat shorts), and weed seeds.	6696
5.52	4.00	10.82	9.00	1 65	Wheat bran, cottonseed meal, malt sprouts, molasses, hominy feed, oatmeal mill by-products (oat middlings, oat hulls, oat shorts).	As certified, -----	6678
4.88	4.50	11.50	9.00	31 00	Cottonseed meal, malt sprouts, bran, corn, oatmeal mill by-product (oat shorts, oat hulls, oat middlings), and molasses.	As certified, -----	6223
5.87	4.00	10.46	9.00	34 00	Wheat bran, cottonseed meal, malt sprouts, corn, molasses, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1% salt.	As certified, -----	6902
4.96	4.00	10.86	9.00	1 65	Cottonseed meal, malt sprouts, bran, corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings), and molasses.	As certified, -----	6478
5.11	4.00	10.96	9.00	1 75	Wheat bran, cottonseed meal, malt sprouts, molasses, hominy feed and oat clippings.	As certified, -----	7579
4.86	4.00	8.48	9.60	1 60	Wheat bran, cottonseed meal, malt sprouts, molasses, hominy feed and oat meal mill by-product (oat middlings, oat hulls, oat shorts).	As certified, -----	7401
5.46	-----	10.55	-----	33 18			
4.50	3.00	8.82	9.00	28 00	Corn, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1% salt.	As certified, -----	7570
5.00	3.50	9.62	9.00	30 00	Corn, hominy feed, oats, oat middlings, oat hulls, oat shorts and maximum salt $\frac{3}{4}$ of 1%.	As certified, -----	6346
3.18	3.00	9.80	9.00	1 80	Corn, oat meal mill by-product (oat middlings, oat hulls, oat shorts), flax plant by-product and $\frac{1}{2}$ of 1% salt.	Corn, oat middlings, oat hulls, oat shorts and salt.	7113
5.90	3.00	8.35	9.00	32 00	Corn, oat meal mill by-product (oat middlings, oat hulls, oat shorts), flax plant by-product and $\frac{1}{2}$ of 1% salt.	Corn, oat middlings, oat hulls, oat shorts and salt.	7413

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
7078	Boss Feed, The Quaker Oats Co., Chicago, Ill.	Somerset, Saylor & Woy,--	878	Per ct. 7.88	Per ct. 9.50	Per ct. 8.00
6379	Boss Feed, The Quaker Oats Co., Chicago, Ill.	Lebanon, E. Strickles Sons.	179	8.33	9.88	8.00
6735	Boss Feed, The Quaker Oats Co., Chicago, Ill.	Chambersburg, George Walker.	538	9.10	11.06	8.00
6526	Buckeye Mixed Feed, The Quaker Oats Co., Chicago, Ill.	Average, ----- Warren, T. N. Dunham, ---	328	8.71 8.90	9.61 17.31	----- 13.00
7531	Buckeye Mixed Feed, The Quaker Oats Co., Chicago, Ill.	Patton, F. E. Farabaugh,	1331	11.09	17.38	-----
6639	Buckeye Mixed Feed, The Quaker Oats Co., Chicago, Ill.	Mars, W. J. Kennedy Hardware Co.	489	9.31	16.69	13.00
6679	Buckeye Mixed Feed, The Quaker Oats Co., Chicago, Ill.	Harmony, S. D. Kirker, ---	479	9.17	17.00	13.00
7246	Buckeye Mixed Feed, The Quaker Oats Co., Chicago, Ill.	Hunker, Ryan & Hunker, --	1046	9.67	16.63	13.00
7580	Buckeye Mixed Feed, The Quaker Oats Co., Chicago, Ill.	Pitcairn, D. F. Salyards, --	1380	9.50	18.44	13.00
6855	Buckeye Mixed Feed, The Quaker Oats Co., Chicago, Ill.	Indiana, St. Clair, Rinn & Co.	655	9.58	16.31	13.00
7469	C. O. & B. Feed, The Quaker Oats Co., Chicago, Ill.	Average, ----- Erie, W. J. Carroll, -----	1269	9.67 7.26	17.11 12.00	----- 10.00
7054	C. O. & B. Feed, The Quaker Oats Co., Chicago, Ill.	South Brownsville, C. D. Chamberlain.	854	9.05	10.75	10.00
6729	C. O. & B. Feed, The Quaker Oats Co., Chicago, Ill.	Chambersburg, E. A. Faust & Co.	529	10.67	12.19	10.00
6610	C. O. & B. Feed, The Quaker Oats Co., Chicago, Ill.	Greensburg, McFarland Supply Co.	410	9.51	10.81	10.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.70	3.00	7.25	9.00				
				\$1 75	Corn, oat meal mill by-product (oat middlings, oat hulls, oat shorts), flax plant by-product and $\frac{1}{2}$ of 1% salt.	Corn, oat middlings, oat hulls, oat shorts and salt.	7078
4.90	3.00	9.10	9.00	30 00	Corn, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1% salt.	As certified, -----	6379
5.85	3.00	8.40	9.00	1 55	Corn, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1% salt.	As certified, -----	6735
4.86	-----	8.76	-----	31 71			
5.28	4.00	8.55	8.00	33 00	Wheat bran, wheat middlings and ground wheat.	As certified, -----	6526
5.60	-----	7.85	-----	1 40		Wheat bran, wheat middlings and rye middlings.	7531
5.10	4.00	8.35	8.00	1 60	Wheat bran, wheat middlings and ground wheat.	As certified, -----	6689
5.00	4.00	7.40	8.00	1 65	Wheat bran, wheat middlings and ground wheat.	As certified, -----	6679
5.25	4.00	8.90	8.00	1 40	Wheat bran, wheat middlings and ground wheat.	As certified, -----	7246
5.40	4.00	9.20	8.00	1 40	Ground corn, ground barley, cottonseed meal, wheat mixed feed, and rye shorts.	Wheat bran, wheat middlings and rye shorts.	7530
4.45	4.00	8.32	8.00	1 60	Wheat bran, wheat middlings and ground wheat.	Wheat bran, wheat middlings and rye shorts.	6855
5.15	-----	8.36	-----	1 53			
4.05	3.25	10.00	9.00	1 70	Corn, barley, wheat flour, wheat middlings, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1% salt.	As certified, -----	7469
4.35	3.25	9.15	9.00	1 75	Corn, barley, wheat flour, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1% salt.	As certified, -----	7054
4.63	3.25	7.90	9.00	1 60	Corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1% salt.	As certified, -----	6729
4.20	3.25	9.60	9.00	32 00	Corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1% salt.	As certified, -----	6610

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
6816	C. O. & B. Feed, The Quaker Oats Co., Chicago, Ill.	Kittanning, L. Pollock, ---	616	Per ct. 10.07	Per ct. 11.25	Per ct. 10.00
6683	Daisy Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Average, ----- Evans, Enos Barkey, -----	483	9.19 11.45	11.40 17.32	----- 16.00
6624	Daisy Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Monongahela City, D. E. Gamble.	424	7.99	17.33	16.00
7547	Daisy Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Homer City, A. George & Son.	1347	11.57	16.22	16.00
6661	Daisy Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Beaver, A. F. Grine, -----	461	10.25	17.52	12.00
7102	Daisy Dairy Feed, The Quaker Oats Co., Chicago, Ill.	New Castle, New Castle Feed Co.	902	11.88	14.73	12.00
7327	Daisy Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Norristown, W. and H. Rhoades.	1127	10.04	16.27	12.00
6868	Daisy Dairy Feed, The Quaker Oats Co., Chicago, Ill.	St. Marys, Leonard Ritter,	668	10.69	18.01	16.00
7399	Daisy Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Quakertown, T. and J. Strawn.	1199	10.36	14.81	16.00
9734	Daisy Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Chambersburg, George Walker,	534	9.53	17.86	16.00
		Average, -----		10.42	16.67	-----

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.58	Per ct. 3.25	Per ct. 9.95	Per ct. 9.00	\$33 00	Corn, barley, wheat flour, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1% salt.	As certified, -----	6816
4.16 4.43	----- 4.00	9.32 17.17	----- 16.00	1 66 1 35	Molasses, cottonseed meal, grain screenings meal, flax bran and oat meal mill by-product (oat middlings, oat hulls, oat shorts).	Cottonseed meal, grain screenings meal, flax plant refuse, oat middlings, oat hulls, oat shorts, molasses and small amount of weed seeds.	6683
3.83	4.00	16.69	16.00	1 40	Molasses, cottonseed meal, grain screenings meal, flax bran and oat meal mill by-product (oat middlings, oat hulls, oat shorts).	Cottonseed meal, grain screenings meal, flax plant refuse, oat middlings, oat hulls, oat shorts and molasses.	6624
4.75	4.00	15.26	16.00	27 00	Molasses, cottonseed meal, grain screenings meal, flax bran and oat meal mill by-product (oat middlings, oat hulls, oat shorts).	Cottonseed meal, malt sprouts, grain screenings meal, flax plant refuse, oat middlings, oat shorts, oat hulls, molasses and weed seeds.	7547
4.65	3.00	15.80	12.00	1 50	Alfalfa, molasses, oats, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1% salt.	Cottonseed meal, oats, alfalfa, oat middlings, oat hulls, oat shorts, flax seed, molasses, salt and large amount of weed seeds.	6661
5.21	3.00	16.15	12.00	1 45	Alfalfa, molasses, oats, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1% salt.	Cottonseed meal, malt sprouts, oat middlings, oat hulls, oat shorts, molasses, salt and large amount of weed seeds.	7102
5.50	3.00	15.98	12.00	28 00	Alfalfa, molasses, oats, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1% salt.	Cottonseed meal, alfalfa, oats, oat middlings, oat hulls, oat shorts, malt sprouts, flax plant refuse, molasses, salt and large amount of weed seeds.	7327
4.35	4.00	17.60	16.00	1 60	Molasses, cottonseed meal, grain screenings meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and flax plant by-product.	Cottonseed meal, grain screenings meal, flax plant refuse, oat middlings, oat hulls, oat shorts, molasses and small amount of weed seeds.	6863
4.40	3.50	15.80	14.00	1 35	Molasses, malt sprouts, cottonseed meal, oat meal mill by-product (oat middlings, oat shorts, oat hulls), grain screenings meal and flax plant by-product.	Cottonseed meal, malt sprouts, flax plant refuse, oat middlings, oat shorts, oat hulls, grain screenings meal, molasses and small amount of weed seeds.	7399
4.44	4.00	16.05	16.00	1 35	Molasses, cottonseed meal, grain screenings meal, flax bran and oat meal mill by-product (oat middlings, oat hulls, oat shorts).	Cottonseed meal, flax plant refuse, grain screenings meal, oat middlings, oat hulls, oat shorts and molasses.	6734
4.61	-----	16.27	-----	1 42			

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6885	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Freeport, W. A. Noble, ----	685	Per ct. 11.90	Per ct. 14.63	Per ct. 16.00
6592	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Troy, Preston Bros., -----	392	8.22	16.84	16.00
6249	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Leola, H. M. Stauffer, ----	49	9.72	16.07	16.00
		Average, -----		9.94	15.85	-----
6784	Quaker Molasses Dairy Feed, The Quaker Oats Co., Chicago, Ill.	West Chester, I. H. Bailey,	584	11.27	16.92	16.00
6487	Quaker Molasses Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Wellsboro, Max Bernkopf & Bro.	287	9.73	16.70	16.00
7510	Quaker Molasses Dairy Feed, The Quaker Oats Co., Chicago, Ill.	New Oxford, J. H. Duttera,	1316	10.71	15.85	16.00
7546	Quaker Molasses Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Derry, W. B. Gilson & Co.,	1346	10.16	16.34	16.00
6385	Quaker Molasses Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Jonestown, Z. T. Gingrich,	185	6.63	18.08	16.00
7508	Quaker Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Gettysburg, McIlhenny Bros.,	1308	9.32	16.01	16.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.12	Per ct. 4.00	Per ct. 17.30	Per ct. 13.00	\$1 60	Cottonseed meal, malt sprouts, oat feed, grain screenings meal, flax pods and stalks and molasses.	Cottonseed meal, malt sprouts, grain screenings meal, flax plant refuse, oat middlings, oat hulls, molasses, salt, chaff and large amount of weed seeds.	6385
4.81	3.50	13.49	9.00	26 00	Cottonseed meal, grain screenings, flax pods and stalks, oat meal mill by-product (oat shorts, oat hulls, oat middlings), corn and molasses.	Cottonseed meal malt sprouts, grain screenings, flax plant refuse, oat shorts, oat middlings, oat hulls, corn, molasses and large amount of weed seeds.	6592
4.81	3.50	14.08	9.00	25 00	Cottonseed meal, grain screenings, flax pods and stalks, oat meal mill by-product (oat shorts, oat hulls, oat middlings), corn and molasses.	Cottonseed meal, malt sprouts, grain screenings, flax plant refuse, oat shorts, oat middlings, oat hulls, corn, molasses and large amount of weed seeds.	6249
4.91	-----	14.95	-----	27 07			
5.17	3.50	15.90	14.00	29 00	Cottonseed meal, malt sprouts, molasses, grain screenings meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and flax plant by-product.	Cottonseed meal, malt sprouts, grain screenings meal, oat middlings, oat shorts, oat hulls, flax plant refuse, molasses and weed seeds.	6784
6.61	4.00	15.57	13.00	1 30	Cottonseed meal, malt sprouts, oat feed, grain screenings meal, flax pods and stalks and molasses.	Cottonseed meal, malt sprouts, grain screenings meal, flax plant refuse, oat middlings, oat shorts, oat hulls, molasses and large amount of weed seeds.	6487
4.81	3.50	12.16	14.50	25 00	Malt sprouts, cottonseed meal, molasses, green screenings meal, oat clippings and flax plant by-products.	Cottonseed meal, malt sprouts, grain screenings meal, flax plant refuse, oat clippings, molasses and weed seeds.	7510
4.37	3.50	15.72	14.00	1 50	Cottonseed meal, malt sprouts, molasses, grain screenings meal, flax plant by-product and oat meal mill by-products (oat middlings, oat hulls, oat shorts.)	Cottonseed meal, malt sprouts, grain screenings meal, flax plant refuse, oat middlings, oat shorts, oat hulls, molasses and small amount of weed seeds.	7546
5.76	4.00	15.93	13.00	1 35	Cottonseed meal, malt sprouts, oat feed, grain screenings meal, flax pods and stalks and molasses.	Cottonseed meal, malt sprouts, grain screenings meal, flax plant refuse, oat middlings, oat shorts, oat hulls, molasses and large amount of weed seeds.	6385
4.97	4.50	16.57	9.00	27 00	Molasses, malt sprouts, cottonseed meal, grain screenings meal, flax plant by-product and oat clippings.	As certified, -----	7508

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
6668	Dairy Molasses Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Butler, P. J. Oesterling & Son.	468	Per ct. 10.86	Per ct. 15.50	Per ct. 16.00
6246	Quaker Molasses Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Leola, H. M. Stauffer, -----	46	9.24	15.69	16.00
6754	Quaker Molasses Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Port Royal, Wischaupt & Frazer.	554	10.88	17.17	16.00
6736	Quaker Molasses Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Mercersburg, J. A. Wither-spoon.	536	10.93	16.24	16.00
		Average, -----		9.97	16.45	-----
7150	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Oil City, Archer Feed Co.,	950	8.60	11.19	10.00
6982	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Bedford, Davidson Bros., --	782	9.85	10.63	10.00
6492	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Wellsboro, R. J. Dunham,--	292	9.28	12.19	10.00
7528	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Patton, F. E. Farabaugh,--	1228	8.58	12.00	10.00
6361	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Holidaysburg, O. J. Fay,	761	9.91	10.19	10.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.32	Per ct. 4.00	Per ct. 15.65	Per ct. 13.00	\$1 45	Cottonseed meal, malt sprouts, oat feed, grain screenings meal, flax pods and stalks and molasses.	Cottonseed meal, malt sprouts, grain screenings meal, oat middlings, oat shorts, oat hulls, flax plant refuse, molasses and large amount of weed seeds.	6668
4.48	4.00	16.47	13.00	25 00	Cottonseed meal, malt sprouts, oat feed, grain screenings meal, flax pods and stalks and molasses.	Cottonseed meal, malt sprouts, grain screenings meal, oat middlings, oat shorts, oat hulls, flax plant refuse, molasses and large amount of weed seeds.	6246
5.08	4.00	14.60	9.00	30.00	Cottonseed meal, malt sprouts, molasses, grain screenings meal, flax plant by-product, and oat meal mill by-product (oat middlings, oat hulls, oat shorts.)	Cottonseed meal, malt sprouts, grain screenings meal, oat middlings, oat shorts, oat hulls, flax plant refuse, molasses and large amount of weed seeds.	6754
5.43	4.00	15.80	13.00	1 40	Cottonseed meal, malt sprouts, oat feed, grain screenings meal, flax pods and stalks and molasses.	Cottonseed meal, malt sprouts, grain screenings meal, oat middlings, oat shorts, oat hulls, flax plant refuse, molasses and large amount of weed seeds.	6786
5.10	-----	15.43	-----	27.60			
4.50	3.25	10.12	9.00	1 75	Barley, wheat flour, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	7150
3.40	3.25	11.51	9.00	1 70	Barley, wheat flour, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6682
1.50	3.25	8.35	9.00	1 70	Corn, oat meal mill by-product, (oat middlings, oat hulls, oat shorts), wheat flour barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6492
4.65	3.25	9.35	9.00	1.70	Ground corn, ground barley, wheat flour, wheat middlings, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	7528
4.20	3.25	8.80	9.00	36 00	Barley, wheat flour, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6961

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
7461	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	East Liberty, George Fritch,	1261	Per ct. 7.76	Per ct. 11.94	Per ct. 10.00
6811	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Kittanning, J. A. Gault & Co.	611	10.37	10.38	10.00
6374	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Mechanicsburg, A. B. Har- nish.	174	8.49	12.69	10.00
6747	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Newport, W. H. Kemper. --	547	8.50	10.88	10.00
6398	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Cleona, J. H. Long, -----	198	8.54	11.81	10.00
6691	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Mars, Mars Milling and Feed Co.	491	9.57	11.25	10.00
6656	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	West Bridgewater, W. W. McCullough,	456	8.57	11.63	10.00
7111	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Sharon, J. M. Porter, -- --	911	8.27	11.50	10.00
7428	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Wilmerding, Routh & Co.,--	1228	8.00	11.94	10.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.40	Per ct. 3.25	Per ct. 10.50	Per ct. 9.00	\$1 65	Ground corn, ground barley, wheat flour, wheat middlings, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	7461
3.45	3.25	8.85	9.00	1 80	Barley, wheat flour, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6811
4.13	3.25	9.20	9.00	30.50	Corn, barley, wheat flour, oat meal mill by-product, (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent.	As certified, -----	6374
4.43	3.25	9.80	9.00	1 70	Barley, wheat flour, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6747
4.35	3.25	9.60	9.00	31.00	Corn, oat meal mill by-products, (oat middlings, oat hulls, oat shorts), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6398
4.60	3.25	9.75	9.00	1 60	Corn, oat meal mill by-products, (oat middlings, oat hulls, oat shorts), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6691
4.50	3.25	9.25	9.00	1 65	Barley, wheat flour, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6656
3.80	3.25	8.20	9.00	1 75	Barley, wheat flour, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	7111
4.60	3.25	10.90	9.00	1 75	Ground corn, ground barley, wheat flour, wheat middlings, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	7428

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manu- facturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
6270	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	New Holland, E. M. Rut- ter, & Co.	70	Per ct. 9.46	Per ct. 11.56	Per ct. 10.00
6506	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Bradford, Smith Bros., ---	306	9.84	11.38	10.00
6854	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Indiana, St. Clair Rinn & Co.	654	9.63	10.00	10.00
6252	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Leola, W M. Stauffer,-----	52	7.37	10.88	10.00
6291	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Johnstown, John Thomas & Sons.	91	8.58	11.56	10.00
7552	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Clarion, B. W. Thompson,	1352	7.88	12.75	10.00
7574	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Homestead, Vallowe Bros.,	1374	7.69	11.69	10.00
6305	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Windber, L. B. Beeser,-----	101	8.58	11.06	10.00
6535	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Center Hall, J. H. & S. E. Weber.	335	9.51	11.75	10.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.25	Per ct. 3.25	Per ct. 9.72	Per ct. 9.00	\$1 55	Corn, oat meal mill by-product, (oat shorts, oat hulls, oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton, and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6270
4.38	3.25	8.20	9.00	1 65	Barley, wheat flour, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of one per cent. salt.	As certified, -----	6506
4.10	3.25	9.80	9.00	1 75	Barley, wheat flour, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6854
3.98	3.25	9.52	9.00	31 00	Corn, barley, wheat flour, oat meal mill by-product, (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6252
4.50	3.25	9.82	9.00	1 70	Corn, oat meal mill by-product, (oat shorts, oat hulls, oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton, and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6291
4.60	3.25	11.47	9.00	1 50	Ground corn, ground barley, wheat flour, wheat middlings, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of one per cent. salt.	As certified, -----	7552
4.90	3.25	10.55	9.00	1 60	Ground corn, ground barley, wheat flour, wheat middlings, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of one per cent. salt.	As certified, -----	7574
4.45	3.25	9.80	9.00	1 60	Corn, oat meal mill by-product, (oat shorts, oat hulls, oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton, and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6305
4.15	3.25	9.50	9.00	32 00	Corn, oat meal mill by-product, (oat shorts, oat hulls, oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton, and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6535

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6771	Schumaeher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Lewistown, G. M. White,	571	Per ct. 9.68	Per ct. 10.88	Per ct. 10.00
7505	Schumaeher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Gettysburg, C. M. Wolf, --	1305	8.15	11.25	10.00
		Average, -----		8.87	11.40	-----
6399	Sterling Stock Feed, The Quaker Oats Co., Chicago, Ill.	Palmyra, Early & Detweiler,	199	7.50	11.69	10.00
6004	Sterling Stock Feed, The Quaker Oats Co., Chicago, Ill.	Latrobe, K. & L. Golde,--	404	9.78	10.88	10.00
6355	Sterling Stock Feed, The Quaker Oats Co., Chicago, Ill.	Harrisburg, Moek & Hartman.	155	9.02	11.06	10.00
6301	Sterling Stock Feed, The Quaker Oats Co., Chicago, Ill.	Windber, L. B. Recser,-----	101	8.58	11.06	10.00
7326	Sterling Stock Feed, The Quaker Oats Co., Chicago, Ill.	Norristown, W. & H. Rhoades.	1126	8.23	12.38	10.00
7591	Sterling Stock Feed, The Quaker Oats Co., Chicago, Ill.	Turtle Creek, F. J. Riddle,	1391	8.04	13.50	10.00
7076	Sterling Stock Feed, The Quaker Oats Co., Chicago, Ill.	Somerset, Saylor & Woy,	876	8.65	11.44	10.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.35	Per ct. 3.25	Per ct. 9.85	Per ct. 9.00	\$1 70	Barley, wheat flour, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of one per cent. salt.	Corn, barley, wheat flour, cottonseed meal, oat middlings, oat shorts, oat hulls, and $\frac{1}{2}$ of 1 per cent. salt.	6771
5.05	3.25	9.80	9.00	1 60	Ground corn, ground barley, wheat flour, wheat middlings, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	7505
4.31	-----	9.66	-----	33 14			
4.28	3.25	9.32	9.00	31 00	Corn, barley, wheat flour, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6399
4.75	3.25	10.00	9.00	1 75	Corn, barley, wheat flour, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6634
4.58	3.25	9.17	9.00	32 00	Corn, barley, wheat flour, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6355
4.60	3.25	10.25	9.00	1 60	Corn, barley, wheat flour, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6301
5.30	3.25	9.75	9.00	33 00	Corn, barley, wheat flour, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	7326
4.85	3.25	11.80	9.00	1 45	Corn, barley, wheat flour, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) wheat middlings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	7591
4.60	3.25	10.15	9.00	1 80	Corn, barley, wheat flour, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	7076

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6714	Sterling Stock Feed, The Quaker Oats Co., Chicago, Ill.	Shippensburg, Wadel & Diehl.	514	Per ct. 10.02	Per ct. 11.25	Per ct. 10.00
6518	Sterling Stock Feed, The Quaker Oats Co., Chicago, Ill.	Warren, Warren Mill Co.,	318	9.70	11.81	10.00
7055	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Average, ----- South Brownsville, C. D. Chamberlain.	855	8.83 8.81	11.67 9.19	----- 8.00
7553	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Clarion, Clarion Milling Co.	1353	7.05	10.25	8.00
6384	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Jonestown, Z. T. Gingrich,	184	8.22	10.69	8.00
6804	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Leechburg, D. Gosser & Sons.	604	9.70	8.38	8.00
6685	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Mars, W. J. Kennedy Hardware Co.	485	9.16	9.06	8.00
7241	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Jcannette, Keystone Supply Co.	1041	7.79	8.94	8.00
6994	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Washington, C. B. Ruch,	794	8.53	9.25	8.00
7417	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Chester, John Thompson,--	1217	8.73	9.69	8.00
7502	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Gettysburg, O. M. Wolf,	1302	7.75	8.44	8.00
Average, -----				8.41	9.32	-----

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.63	Per ct. 3.25	Per ct. 9.17	Per ct. 9.00	\$1 70	Corn, barley, wheat flour, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6714
3.80	3.25	9.55	9.00	1 60	Corn, barley, wheat flour, cottonseed meal, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6518
4.60 5.15	----- 3.50	9.90 9.25	----- 9.00	32.67 1 70	Corn, oat meal mill by-product, (oat shorts, oat hulls, oat middlings) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	7055
5.90	3.00	9.60	9.00	1 50	Ground corn, oat meal mill by-product, (oat middlings, oat hulls, oat shorts), flax plant by-product and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	7553
6.15	3.50	8.40	9.00	1 50	Corn, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6384
3.60	3.50	8.00	9.00	1 70	Corn, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6804
3.68	3.50	7.85	9.00	1 60	Corn, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6685
6.10	3.50	9.55	9.00	1 70	Corn, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	7241
4.50	3.50	8.72	9.00	1 75	Corn, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6994
6.10	3.00	8.85	9.00	1 80	Corn, oat meal mill by-product, (oat middlings, oat hulls, oat shorts), flax plant by-product and $\frac{1}{2}$ of 1 per cent. salt.	Corn, oat middlings, oat shorts, oat hulls and $\frac{1}{2}$ of 1 per cent. salt.	7417
3.65	3.00	8.60	9.00	1 50	Ground corn, oat meal mill by-product, (oat middlings, oat hulls, oat shorts), flax plant by-product and $\frac{1}{2}$ of 1 per cent. salt.	Ground corn, oat middlings, oat shorts, oat hulls and $\frac{1}{2}$ of 1 per cent. salt.	7502
4.98	-----	8.76	-----	1 64			

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
7098	White Diamond Feed, The Quaker Oats Co., Chicago, Ill.	New Castle, M. Aronson,--	898	Per ct. 9.24	Per ct. 9.31	Per ct. 8.00
6660	White Diamond Feed, The Quaker Oats Co., Chicago, Ill.	Beaver, A. F. Grine, -----	460	10.62	8.75	8.00
6993	White Diamond Feed, The Quaker Oats Co., Chicago, Ill.	Washington, C. B. Ruch,--	793	8.42	9.50	8.00
7583	White Diamond Feed, The Quaker Oats Co., Chicago, Ill.	Pitcairn, Jno. Shiffer & Son.	1383	9.00	9.44	8.00
		Average, -----		9.32	9.25	-----
6614	Protena Feed, Ralston Purina Co., St. Louis, Mo.	Greensburg, D. F. Kilgore & Co.	414	8.70	13.13	12.00
7086	Purina Molasses Feed, Ralston Purina Co., St. Louis, Mo.	Somerset H. C. Beerit's Sons,	886	16.29	10.35	10.00
7444	Purina Molasses Feed, Ralston Purina Co., St. Louis, Mo.	Canonsburg, Canonsburg Milling Co.	1244	15.33	9.61	10.00
6615	Purina Molasses Feed, Ralston Purina Co., St. Louis, Mo.	Greensburg, D. F. Kilgore & Co.	415	17.48	9.79	10.00
6938	Purina Molasses Feed, Ralston Purina Co., St. Louis, Mo.	Altoona, Kirsner Bros.,----	738	17.34	10.28	10.00
7489	Purina Molasses Feed, Ralston Purina Co., St. Louis, Mo.	Erie, George L. Siegel, -----	1289	14.92	9.60	10.60
7012	Purina Molasses Feed, Ralston Purina Co., St. Louis, Mo.	Washington, Adam Zelt & Sons.	812	16.94	10.00	10.00
		Average, -----		16.39	9.94	-----
7196	Special Feed, Seranton Flour and Grain Co., Seranton, Pa.	Seranton, Seranton Flour and Grain Co.	996	9.61	10.25	7-10
7195	Stock Feed, Seranton Flour and Grain Co., Seranton, Pa.	Seranton, Seranton Flour and Grain Co.	995	10.01	9.56	7-10
6702	Red Letter Brand Cotton Seed Feed, Smith & Hazelhurst, Baltimore, Md.	Carlisle, S. B. Jackson, --	502	8.70	18.13	18.00
6255	Boveta Brand Cottonseed Hull and Meal Mixture, Southern Cotton Oil Co., Charlotte, N. C.	Bareville, M. S. Graybill & Son.	55	7.29	22.75	17.00
6701	Boveta Brand Cottonseed Hull and Meal Mixture, Southern Cotton Oil Co., Charlotte, N. C.	Carlisle, S. B. Jackson,----	501	9.18	17.19	17.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.95	Per ct. 3.25	Per ct. 7.62	Per ct. 9.00	\$1 75	Corn, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	7098
3.73	3.25	7.85	9.00	1 55	Corn, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6660
4.60	3.25	8.00	9.00	1 75	Corn, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6993
6.20	3.25	8.05	9.00	1 50	Ground corn, oat meal mill by-product (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	7583
4.87	-----	7.87	-----	1 64			
4.30	3.80	9.72	9.70	1 75	Corn, oats, dried brewers' grains, hominy feed, ground alfalfa and salt guaranteed $\frac{1}{2}$ per cent.	As certified, -----	6614
4.36	2.50	8.50	12.00	1 80	Corn, oats, ground alfalfa and molasses.	As certified, -----	7086
2.55	2.50	10.10	12.00	1 90	Cracked corn, whole oats, ground alfalfa and molasses.	As certified, -----	7444
3.01	2.50	8 69	12.00	1 65	Corn, oats, ground alfalfa and molasses.	As certified, -----	6615
2.89	2.50	8.74	12.00	1 85	Corn, oats ground alfalfa and molasses.	As certified, -----	6938
2.68	2.50	7.99	12.00	1 50	Cracked corn, whole oats, ground alfalfa and molasses.	As certified, -----	7480
2.47	2.50	9.49	12.00	2.05	Corn, oats, ground alfalfa and molasses.	As certified, -----	7012
2.99	-----	8.91	-----	1 79			
3.55	3-5	4.30	5-9	1 85	Corn boltings and oats.	As certified, -----	7196
2.45	3-5	4.07	5-9	1 75	Oat screenings, corn, wheat bran and molasses.	Corn, wheat bran and oat screenings.	7193
4.15	4.00	29.65	32.00	24 00	Pure cottonseed meal and pure cottonseed hulls.	As certified, -----	6702
4.13	3.00	26.62	40.00	25 00	Cottonseed hulls and meal.	As certified, -----	6255
3.83	3.00	27.15	40.00	24.00	Cottonseed hull and meal mixture.	As certified, -----	6701

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6755	Boveta Brand Cottonseed Hull and Meal Mixture, Southern Cotton Oil Co., Charlotte, N. C.	Mifflin, Manbeck-Nelson & Co.	555	Per et. 7.72	Per et. 19.13	Per et. 17.00
6229	Boveta Brand Cottonseed Hull and Meal Mixture, Southern Cotton Oil Co., Charlotte, N. C.	Manheim, F. K. Nauman,---	29	7.92	19.88	17.00
7088	Boveta Brand Cottonseed Hull and Meal Mixture, Southern Cotton Oil Co., Charlotte, N. C.	Mt. Union, David Rummel,	888	8.55	16.81	17.00
6247	Boveta Brand Cottonseed Hull and Meal Mixture, Southern Cotton Oil Co., Charlotte, N. C.	Leola, H. M. Stauffer, ---	47	7.65	21.25	17.00
		Average, -----		8.05	19.51	-----
6239	Cotton-Seed Feed Meal, Southern Fibre Co., Portsmouth, Va.	Lancaster, G. H. Shreiner & Son.	39	8.29	23.69	22.00
6407	"Jersey Cow" Feed, Southern Fibre Co., Portsmouth, Va.	Lebanon, E. J. Albert,-----	207	9.30	11.63	10.00
6709	"Jersey Cow" Feed, Southern Fibre Co., Portsmouth, Va.	Shippensburg, Allison & Fogelsonger.	509	7.95	11.50	10.00
6228	"Jersey Cow" Feed, Southern Fibre Co., Portsmouth, Va.	Manheim, Jacob K. Carper,	28	6.93	11.13	10.00
6703	"Jersey Cow" Feed, Southern Fibre Co., Portsmouth, Va.	Carlisle, S. B. Jackson, ---	503	6.55	10.75	10.00
		Average, -----		7.68	11.25	-----
6409	"Ko-Bos" Dairy Feed, Southern Fibre Co., Portsmouth, Va.	Lebanon, E. J. Albert, ---	209	8.34	17.19	16.00
7270	"Ko-Bos" Dairy Feed, Southern Fibre Co., Portsmouth, Va.	Leighton, H. W.ENZIAN, --	1070	9.02	15.94	16.00
6711	"Ko-Bos" Dairy Feed, Southern Fibre Co., Portsmouth, Va.	Shippensburg, Wadel & Diehl.	511	7.86	15.81	16.00
		Average, -----		8.40	16.31	-----
6238	Prime Cotton-Seed Feed, Southern Fibre Co., Portsmouth, Va.	Lancaster, G. H. Shreiner & Son.	38	8.92	10.94	10.00
6774	"Royal Feed," Southern Fibre Co., Portsmouth, Va.	Downingtown, A. S. Hively,	574	7.81	21.81	22.00
6712	"Royal Feed," Southern Fibre Co., Portsmouth, Va.	Shippensburg, Wadel & Diehl.	512	8.05	22.19	22.00
		Average, -----		7.93	22.00	-----
6222	Sugarine Dairy Feed, The Sugarine Co., Chicago, Ill.	Manheim, The Lancaster County Farmers Association	22	12.89	17.77	16.50

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.70	Per ct. 3.00	Per ct. 27.30	Per ct. 40.00	\$1 30	Cottonseed hulls and cottonseed meal.	As certified, -----	6755
3.33	3.00	24.92	40.00	25 00	Cottonseed hulls and meal.	As certified, -----	6229
3.85	3.00	27.95	40.00	1 30	-----	Cottonseed meal and cottonseed hulls.	7083
3.53	3.00	26.40	40.00	25 00	Cottonseed hulls and meal.	As certified, -----	6247
3.73	-----	26.72	-----	25 17			
5.90	4.00	19.35	22.00	27 00	Cottonseed meal and cottonseed hulls.	As certified, -----	6239
2.40	1.80	30.72	35.00	1 05	Cottonseed hulls and cottonseed meal.	As certified, -----	6407
2.41	1.80	30.50	35.00	1 00	Cottonseed hulls and cottonseed meal.	As certified, -----	6709
2.08	1.80	31.80	35.00	21 00	Cottonseed hulls and cottonseed meal.	As certified, -----	6228
1.86	1.80	30.65	35.00	22 00	Cottonseed hulls and cottonseed meal.	As certified, -----	6703
2.19	-----	30.91	-----	21 00			
3.60	3.10	25.07	32.00	1 15	Cottonseed meal and cottonseed hulls.	As certified, -----	6409
3.15	3.10	27.00	32.00	1 40	Cottonseed meal and cottonseed hulls.	As certified, -----	7270
3.20	3.10	25.90	32.00	1 35	Cottonseed meal and cottonseed hulls.	As certified, -----	6711
3.32	-----	25.99	-----	1 30			
2.10	1.80	28.50	35.00	21.00	Cottonseed meal and cottonseed hulls.	As certified, -----	6238
4.50	4.00	25.10	22.00	1 50	Cottonseed meal and cottonseed hulls.	As certified, -----	6774
4.29	4.00	22.50	22.00	1.50	Cottonseed meal and cottonseed hulls.	As certified, -----	6712
4.40	-----	23.80	-----	1 50			
4.41	3.50	10.83	12.00	24.50	Cottonseed meal, gluten feed, molasses, oat clippings, mixed broken grains from wheat, oat and bar- ley screenings and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, glu- ten feed, oat clip- pings, mixed broken grains from wheat oat and barley screen- ings, molasses, salt and small amount of weed seeds.	6222

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
7409	Sugarine Dairy Feed, The Sugarine Co., Chicago, Ill.	Chester, T. Frank Mc-Call,	1209	Per et. 9.31	Per et. 17.87	Per et. 16.50
		Average, -----		11.10	17.82	-----
6627	Oremo Brand Cottonseed Feed Meal, Tennessee Fibre Co., Memphis, Tenn.	Monongahela City, D. E. Gamble.	427	9.35	23.19	20.00
6649	Creamo Brand Cottonseed Feed Meal, Tennessee Fibre Co., Memphis, Tenn.	Beaver Falls, M. W. Me-Candless.	449	7.90	27.63	20.00
		Average, -----		8.62	25.41	-----
6386	Derby Stock Feed, Tioga Mill & Elevator Co., Waverly, N. Y.	Jonestown, Gerhart & Kline,	186	7.40	13.38	10.70
6896	Toepfer's Mixed Feed, R. J. Toepfer, Tarentum, Pa.	Tarentum, R. J. Toepfer,--	696	8.89	8.50	7-9
6710	Crown Brand Ko-Pres-Ko. Universal Oil & Fertilizer Co., Wilmington, N. C.	Shippensburg, Allison & Fogelsonger.	510	7.48	26.38	23.00
6354	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Middletown, S. J. Baer----	154	12.57	18.34	17.00
6274	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Johnstown, G. Bostert & Son.	74	12.39	18.08	17.00
6666	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Wellsboro, George C. & F. A. Brooks.	300	9.70	18.40	17.00
7441	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Canonsburg, Canonsburg Milling Co.	1241	12.34	17.16	16.50

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.55	Per ct. 3.50	Per ct. 10.86	Per ct. 9.00	\$29 00	Cottonseed meal, gluten feed, molasses, oat clippings, ground and bolted grain screenings and $\frac{1}{2}$ of 1 per cent salt.	As certified, -----	7409
4.98	-----	10.84	-----	16 75			
5.20	5.00	20.10	22.00	1 75	Choice cottonseed and cottonseed hull bran.	As certified, -----	6627
5.65	5.00	18.17	22.00	1 75	Choice cottonseed meal and cottonseed hull bran.	As certified, -----	6649
5.43	-----	19.13	-----	1 75			
6.63	7.00	7.12	9.00	30 50	Corn offal, hominy, gluten, oat middlings and oat hulls.	As certified, -----	6386
4.45	3.00	9.85	9.00	1 70	Corn and oat feed, (oat middlings, oat hulls, oat shorts.)	As certified, -----	6896
9.50	5.50	20.05	17.00	1 40	Cottonseed meal and hulls.	As certified, -----	6710
5.86	3.00	11.48	11.00	25.00	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and 3-10 of 1 per cent. salt.	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley screenings, molasses, salt and small amount of weed seeds.	6354
4.52	3.00	10.12	11.00	1 40	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley screenings, molasses, salt and weed seeds.	6274
5.51	3.00	11.88	11.00	28 00	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley screenings, molasses, salt, flax seed, chaff and weed seeds.	6500
3.75	3.50	10.16	11.00	27 00	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	As certified, -----	7441

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.		
					Found.	Guaranteed.	
6642	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Beaver Falls, Dodds & Garrett.	442	Per ct. 12.40	Per ct. 16.78	Per ct. 17.00	
6216	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Lititz, Elmer Eby, -----	16	14.18	17.29	17.00	
6402	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Coudersport, Eulalia Mills,--	262	13.55	17.94	17.00	
6502	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Bradford, L. A. Fischer & Co.	302	13.38	17.08	17.00	
7280	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Bethlehem, C. J. Fluck,---	1080	14.28	18.03	16.50	
6387	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Jonestown, Gerhart & Kline.	187	8.14	20.65	17.00	
6369	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Mechanicsburg, A. B. Harnish.	169	12.48	17.71	17.00	

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.96	3.00	11.03	11.00	\$1 40	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley screenings, molasses, salt and small amount of weed seeds.	6642
3.90	3.00	9.47	11.00	25 00	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley screenings, molasses, salt and weed seeds.	6216
5.27	3.00	11.02	11.00	23 00	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley screenings, molasses, salt and weed seeds.	6462
4.70	3.00	10.97	11.00	28 00	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley screenings, molasses, salt and small amount of weed seeds.	6502
5.19	3.50	9.85	11.00	1 35	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley screenings, molasses, salt and small amount of weed seeds.	7280
4.48	3.00	12.35	11.00	26 00	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	As certified, -----	6387
4 89	3.00	11.17	11.00	26 50	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley screenings, molasses, salt and small amount of weed seeds.	6369

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6772	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Downingtown, A. S. Hively,	572	Per ct. 13.40	Per ct. 16.81	Per ct. 16.50
7060	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Spruce Creek, Sidney T. Isett.	860	14.13	17.14	16.50
7310	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Pottstown, A. K. Kulp,---	1110	12.44	18.06	16.50
7468	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Braddock, John Lachman,--	1268	11.51	17.48	16.50
6740	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Chambersburg, Lakeview Milling Co.	540	12.23	18.87	16.50
7514	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Littlestown, Littlestown Milling Co.	1314	11.55	16.92	16.50
6342	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Spring Grove, Menges Bros. & Stauffer.	142	12.13	17.18	17.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 6.60	Per ct. 3.50	Per ct. 12.85	Per ct. 11.00	\$1 40	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley screenings, molasses, salt and weed seeds.	6772
6.48	3.50	10.64	11.00	30 00	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley screenings, molasses, salt and small amount of weed seeds.	7060
4.16	3.50	9.89	11.00	1 35	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	As certified, -----	7310
5.17	3.50	11.07	11.00	1 00	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	As certified, -----	7468
6.09	3.50	11.92	11.00	27 00	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	As certified, -----	6740
4.68	3.50	11.37	11.00	26 00	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	As certified, -----	7514
3.79	3.00	10.32	11.00	1 30	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley screenings, molasses, salt and small amount of weed seeds.	6342

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
6233	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	York, Miller Bros.,-----	123	Per ct. 13.38	Per ct. 18.13	Per ct. 17.00
6836	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Philipsburg, J. O. Reed,---	636	13.82	16.93	16.50
7478	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Erie, W. D. Ripley, -----	1278	12.27	17.84	16.50
6380	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Lebanon, E. Striekler's Sons.	180	10.96	17.76	17.00
6352	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Indiana.	Hanover, W. J. Young, & Co.	152	12.13	18.34	17.00
		Average, -----		12.39	17.78	-----
6279	Hammond Stock Feed, The Western Grain Products Co., Hammond, Indiana.	Johnstown, G. Bostert & Son.	70	9.23	9.00	10.00
6378	Hammond Stock Feed, The Western Grain Products Co., Hammond, Indiana.	Lebanon, E. Striekler's Sons,	178	7.83	9.44	10.00
		Average, -----		8.53	9.22	-----
PROPRIETARY HORSE AND MULE FEEDS.						
6952	Horse Chop, Altoona Feed Mills, Altoona, Pa.	Altoona, S. O. Adler, & Sons.	752	9.95	12.50	7.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
5.74	3.00	11.07	11.00	\$1 40	Cottonseed meal, distillers grains, malt sprouts, corn, oats, barley, wheat, grain screenings, molasses and three-tenths of 1 per cent salt.	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, corn, oats and barley screenings, molasses, salt and weed seeds.	6323
5.20	3.50	11.06	11.00	26 00	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	As certified, -----	6336
4.39	3.50	11.63	11.00	25 60	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley screenings, molasses, salt and small amount of weed seeds.	7478
4.68	3.00	11.46	11.00	27 00	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley screenings, molasses, salt and small amount of weed seeds.	6380
4.66	3.00	10.97	11.00	1 30	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and three-tenths of 1 per cent. salt.	Cottonseed meal, distillers grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley screenings, molasses, salt and small amount of weed seeds.	6352
5.01	-----	11.03	-----	27 15	Corn, barley, oat middlings, oat hulls, cottonseed meal and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6279
3.16	4.00	11.33	9.00	32 00			
3.16	4.00	12.58	9.00	30 00	Corn, barley, oat middlings, oat hulls, cottonseed meal and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6378
3.16	-----	11.98	-----	31 00			
4.60	3.00	6.00	9.00	34 00	Oat middlings, oat hulls, hominy and rye middlings.	As certified, -----	6952

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
7045	Sucrene Alfalfa Horse and Mule Feed, American Milling Co., Chicago, Ill.	Uniontown, King Bros.,-----	845	Per ct. 12.66	Per ct. 12.76	Per ct. 11.00
7370	Sucrene Alfalfa Horse and Mule Feed, American Milling Co., Chicago, Ill.	Edge Hill, James E. McCaughey.	1170	12.13	11.69	11.00
6707	Sucrene Horse and Mule Feed, American Milling Co., Chicago, Ill.	Average, ----- Shippensburg, Allison & Fogelsonger.	507	12.39 13.29	12.23 13.86	----- 10.00
6337	Sucrene Horse and Mule Feed, American Milling Co., Chicago, Ill.	York, Ebbert Bros., -----	137	13.93	11.29	10.00
6780	Sucrene Horse and Mule Feed, American Milling Co., Chicago, Ill.	West Chester, E. D. Campbell.	580	13.26	11.57	10.00
6414	Sucrene Horse and Mule Feed, American Milling Co., Chicago, Ill.	Sunbury, Kift Milling Co.,	214	13.26	9.54	10.00
6242	Sucrene Horse and Mule Feed, American Milling Co., Chicago, Ill.	Lancaster, G. H. Shreiner & Son.	42	13.02	13.51	10.00
6940	Acme Horse Chop, T. M. Biddle, Altoona, Pa.	Average, ----- Altoona, T. M. Biddle, ---	740	13.35 10.17	11.95 13.44	----- 8.00
6470	Acme Horse Chop, T. M. Biddle, Altoona, Pa.	Altoona, H. H. Langdon,--	770	10.46	13.06	8.00
6943	My Best Horse Feed, T. M. Biddle, Altoona, Pa.	Average, ----- Altoona, T. M. Biddle, --	743	10.31 15.41	13.25 10.39	----- 9.00
6957	My Best Horse Feed, T. M. Biddle, Altoona, Pa.	Juniata, R. I. Remaley,--	757	14.78	10.25	9.00
7258	Ubiko Horse and Stock Feed, The J. W. Biles Co., Cincinnati, Ohio.	Average, ----- Slatingsdon, A. J. Kern, ---	1058	15.09 8.26	10.32 20.25	----- 16.00
6650	Ubiko Horse and Stock Feed, The J. W. Biles Co., Cincinnati, Ohio.	Beaver Falls, M. W. McCandless.	450	7.64	18.56	16.00
6445	Ubiko Horse and Stock Feed, The J. W. Biles Co., Cincinnati, Ohio.	Emporium, E. J. Rogers,--	245	7.89	19.25	16.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
3.75	2.50	11.18	12.00	\$35 00	Corn, rolled oats, rolled barley, alfalfa, cottonseed meal, molasses, re-cleaned grain screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	7045
3.31	2.50	10.71	12.00	1 70	Corn, rolled oats, rolled barley, alfalfa, cottonseed meal, molasses, re-cleaned grain screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	7370
3.53	-----	10.94	-----	34 50	Corn, cottonseed meal, molasses, ground and bolted grain screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6707
6.17	3.50	6.04	9.00	1 50			
3.28	3.50	9.64	12.00	1 45	Corn, oats, barley, wheat, grain screenings, molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6337
3.84	3.50	8.22	9.00	33 00	Corn, cottonseed meal, molasses, ground and bolted grain screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6780
3.03	3.50	8.62	12.00	1 60	Corn, linseed meal, molasses, oat clippings, mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of one per cent. salt.	As certified, -----	6414
4.80	3.50	8.26	12.00	27.50	Corn, molasses, cottonseed meal, mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6242
4.22	-----	8.15	-----	30 30			
5.45	3.00	4.50	9.00	34 00	Rye, oats, corn, middlings, reddog flour and hominy feed.	As certified, -----	6940
5.15	3.00	4.80	9.00	1 80	Oats, corn, rye, middlings, reddog flour and hominy feed.	As certified, -----	6970
5.30	-----	4.65	-----	35.00	Corn, oats, alfalfa and sugar beet syrup.	As certified, -----	6943
2.76	2.30	7.90	20.00	34 00			
3.13	2.30	7.61	20.00	1 90	Corn, oats, alfalfa and sugar beet syrup.	As certified, -----	6957
2.95	-----	7.75	-----	36 00	Wheat middlings, hominy meal, wheat bran, brewers dried grains, old process linseed meal and nothing else.	As certified, -----	7258
7.35	6.00	9.22	9.00	1 70			
6.70	6.00	8.05	9.00	1 75	Wheat middlings, hominy meal, wheat bran, brewers dried grains, old process linseed meal and nothing else.	As certified, -----	6650
7.65	6.00	8.15	9.00	1 70	Wheat middlings, hominy meal, wheat bran, brewers dried grains, old process linseed meal and nothing else.	As certified, -----	6445

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
6733	Ubiko Horse and Stock Feed, The J. W. Biles Co., Cincinnati, Ohio.	Chambersburg, J. H. Smith & Son.	533	Per ct. 9.15	Per ct. 18.88	Per ct. 16.00
7403	Bufceco Horse Feed, Buffalo Cereal Co., Buffalo, N. Y.	Average, ----- Philadelphia, F. L. Lemont,	1203	8.23 8.26	19.24 11.56	----- 10-12
6950	Horse Chop., E. D. Clark, Altoona, Pa.	Altoona, E. D. Clark, ----	750	10.32	11.63	8-10
6572	Pioneer Horse and Cattle Feed, Edwards & Loomis Co., Chicago, Ill.	Williamsport, F. W. Dawson & Son.	372	12.84	8.38	7.50
6359	Pioneer Horse and Cattle Feed, Edwards & Loomis Co., Chicago, Ill.	Harrisburg, J. H. Sheesley,	159	10.22	8.75	7.50
7265	Pioneer Horse and Cattle Feed, Edwards & Loomis Co., Chicago, Ill.	East Mauch Chunk, Quinton Stemler.	1065	10.83	9.56	7.50
6207	Home Made Horse Feed, John W. Eshelman, Lancaster, Pa.	Average, ----- Lancaster, John W. Eshelman.	7	11.29 15.98	8.90 11.61	----- 10-12
6508	Faramel Horse Feed, Faramel Manufacturing Co., Buffalo, N. Y.	Bradford, Smith Bros., --	308	19.70	9.86	9.00
7267	Special Mixed Horse Feed, Flory Milling Co., Bangor, Pa.	Lehighton, H. W.ENZIAN,--	1067	10.58	9.81	9-11
7201	Globe Horse Feed, Globe Elevator Co., Buffalo, N. Y.	Seranton, Lackawanna Elevator Co.	1001	7.98	10.44	7-9
6706	Atlas Horse Feed, F. W. Goeke & Co., St. Louis, Mo.	Carlisle, S. B. Jackson,----	506	16.18	11.07	11-13
7365	Algrane Horse Feed, The H-O. Co., Buffalo, N. Y.	Philadelphia, George Egolf & Co.	1165	8.28	11.81	11.00
6823	International Horse Feed, International Sugar Feed Co., Minneapolis, Minn.	Parnassus, Johnston & Hamilton.	623	17.78	13.00	12.50
6675 6675	International Horse Feed, International Sugar Feed, Co., Minneapolis, Minn.	Butler, George Walter & Sons,	475	14.71	14.69	12.50
Average, -----				16.24	13.85	-----

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 7.25	Per ct. 6.00	Per ct. 8.07	Per ct. 9.00	\$1 75	Wheat middlings, hominy meal, wheat bran, brewers dried grains, old process linseed meal and nothing else.	As certified, -----	6733
7.24 4.60	----- 4-5	8.37 10.00	----- 8.00	1 73 1 50	Oats, corn, barley, gluten feed, wheat, middlings, hominy feed, ground oats, oat hulls, oat bran and oat middlings.	As certified, -----	7403
3.75	3.5-4.5	7.42	7-9	35 00	Shelled corn, ear corn, oats, oat middlings, oat shorts, oat hulls, flour middlings and rye middlings.	As certified, -----	6950
2.98	2.50	6.92	8.00	1 75	Corn grits, cracked corn siftings, light oats and oat hulls.	As certified, -----	6572
3.20	2.50	9.00	8.00	1 65	Corn grits, cracked corn siftings, light oats and oat hulls.	As certified, -----	6359
4.40	2.50	4.45	8.00	1 80	Corn grits, cracked corn siftings, light oats and oat hulls.	As certified, -----	7265
3.53 3.65	----- 3-4	6.79 8.03	----- 18-22	1 73 31 50	Alfalfa, molasses, wheat bran, cottonseed meal, corn, oats and corn bran.	As certified, -----	6207
3.64	4.00	3.63	6.00	37 00	Oats, corn, wheat bran and molasses.	As certified, -----	6508
4.45	4-6	5.25	3-5	1 75	Rye, oats, corn, wheat screenings and wheat middlings.	As certified, -----	7267
4.50	3-5	9.85	9.00	1 50	Corn, oats, oat hulls and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	7201
3.53	4.00	8.68	12.00	31 00	Wheat, corn, oats, barley, alfalfa meal, rice meal, screenings, molasses and salt.	Wheat, corn, oats, barley, alfalfa meal ground screenings, molasses and salt.	6706
4.30	4.00	9.85	9.00	34.00	Oats, oat hulls, gluten feed, oat bran, wheat middlings, corn, hominy feed and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	7365
4.25	3.50	10.71	12.00	1 65	Oats, barley, corn, alfalfa, oil meal, cottonseed meal, mixed broken grains of cereal plants separated from wheat, oats, barley and flax screenings, oat clips, molasses and salt.	As certified, -----	6823
4.48	3.50	11.34	12.00	1 65	Oats, barley, corn, alfalfa, oil meal, cottonseed meal, mixed broken grains of cereal plants separated from wheat, oats, barley and flax screenings, oat clips, molasses and salt.	Oats, barley, corn, alfalfa, oil meal, cottonseed meal, mixed broken grains separated from wheat, oats, barley and flax screenings, oat clips, molasses, salt and small amount of weed seeds.	6675
4.37	-----	11.02	-----	1 65			

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manu- facturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
6946	Horse Chop, Klepser Bros., Martinsburg, Pa.	Altoona, Klepser Bros., ---	746	Per ct. 9.53	Per ct. 14.06	Per ct. 7.00
6971	Horse Chop, Klepser Bros., Martinsburg, Pa.	Martinsburg, Klepser Bros., Average, -----	771	9.33	13.94	7.00
7382	Badger Alfalfa Horse and Mule Feed, Chas. A. Krause Milling Co., Mil- waukee, Wis.	Doylestown, Henry S. Beid- ler.	1182	18.24	11.00	10.00
7356	Badger Alfalfa Horse and Mule Feed, Chas. A. Krause Milling Co., Mil- waukee, Wis.	Ambler, J. Watson Craft,	1156	15.73	10.25	10.00
7393	Badger Alfalfa Horse and Mule Feed, Chas. A. Krause Milling Co., Mil- waukee, Wis.	Quakertown, S. S. Detweiler,	1193	17.97	11.12	10.00
7093	Badger Alfalfa Horse and Mule Feed, Chas. A. Krause Milling Co., Mil- waukee, Wis.	New Castle, Fisher & Mengle,	823	16.79	10.49	10.00
6974	Badger Alfalfa Horse and Mule Feed, Chas. A. Krause Milling Co., Mil- waukee, Wis.	Martinsburg, Nelson Keim,--	774	18.45	11.31	10.00
6963	Badger Alfalfa Horse and Mule Feed, Chas. A. Krause Milling Co., Mil- waukee, Wis.	Altoona, H. H. Langdon, --	763	16.50	10.92	10.00
6268	Badger Alfalfa Horse and Mule Feed, Chas. A. Krause Milling Co., Mil- waukee, Wis.	New Holland, E. M. Rutter, & Co.	68	17.49	13.38	10.00
6716	Badger Alfalfa Horse and Mule Feed, Chas. A. Krause Milling Co., Mil- waukee, Wis.	Newville, S. E. Shenk, ---	516	21.89	10.68	10.00
6787	Badger Alfalfa Horse and Mule Feed, Chas. A. Krause Milling Co., Mil- waukee, Wis.	Kennett Square, W. H. Walker & Co.	587	19.77	11.21	10.00
		Average, -----		18.09	11.15	-----
6418	Kift's Horse Feed, Kift Milling Co., Sunbury, Pa.	Sunbury, Kift Milling Co.,--	218	12.27	12.38	10.00
7147	Harteno Horse and Cattle Food, The Lake Shore Elevator Co., Cleveland, Ohio.	Oil City, Archer Feed Co.,--	947	16.13	10.46	10.94
6814	Harteno Horse and Cattle Food, The Lake Shore Elevator Co., Cleveland, Ohio.	Kittanning, Wm. Gates Estate.	614	15.20	10.88	10.94
6647	Harteno Horse and Cattle Food, The Lake Shore Elevator Co., Cleveland, Ohio.	Beaver Falls, Dodds & Gar- ret.	447	17.06	11.01	10.94
6527	Harteno Horse and Cattle Food, The Lake Shore Elevator Co., Cleveland, Ohio.	Warren, T. N. Dunham, ----	327	14.94	11.53	10.00
7103	Harteno Horse and Cattle Food, The Lake Shore Elevator Co., Cleveland, Ohio.	New Castle, F. W. Hutchi- son & Son,	903	15.77	11.15	10.94

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.35	Per ct. 3.00	Per ct. 5.20	Per ct. 7-9	\$1 80	Corn, rye feed, hominy meal, oat hulls and wheat middlings.	As certified, -----	6946
5.50	3.00	5.15	7-9	1 80	Corn, rye feed, hominy meal, oat hulls and wheat middlings.	As certified, -----	6971
5.43	-----	5.22	-----	1 80			
2.72	2.00	10.60	12.00	34.00	Corn, oats, alfalfa and and syrup.	As certified, -----	7382
2.35	2.00	10.00	12.00	35 00	Corn, oats, alfalfa and and syrup.	As certified, -----	7356
3.24	2.00	9.11	12.00	32 00	Corn, oats, alfalfa and and syrup.	As certified, -----	7393
2.34	2.00	9.58	12.00	1 65	Corn, oats, alfalfa and and syrup.	As certified, -----	7093
2.87	2.00	9.05	12.00	35 00.	Corn, oats, alfalfa and and syrup.	As certified, -----	6974
2.38	2.00	9.61	12.00	1 80	Corn, oats, alfalfa and and syrup.	As certified, -----	6963
2.58	2.00	8.12	12.00	1 60	Corn, oats, alfalfa and and syrup.	As certified, -----	6268
2.53	2.00	7.45	12.00	1.70	Corn, oats, alfalfa and and syrup.	As certified, -----	6716
2.89	2.00	7.73	12.00	32.00	Corn, oats, alfalfa and and syrup.	As certified, -----	6787
2.66	-----	8.62	-----	33 67			
3.85	2.00	4.30	8.00	1 75	Cracked corn, cracked oats, cracked rye, wheat bran and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	6418
3.96	4.59	6.69	6.35	2 10	Corn, bran, oats and molasses.	As certified, -----	7147
4.47	4.59	5.50	6.85	2 00	Corn, bran, oats and molasses.	As certified, -----	6814
4.38	4.50	5.60	6.35	2 00	Corn, bran, oats and molasses.	As certified, -----	6647
4.32	4.50	6.12	6.35	38.00	Corn, bran, oats and molasses.	As certified, -----	6527
4.28	4.59	6.35	6.35	40.00	Corn, bran, oats and molasses.	As certified, -----	7103

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6057	Harteno Horse and Cattle Food, The Lake Shore Elevator Co., Cleveland, Ohio.	West Bridgewater, W. W. McCullough.	457	Per ct. 16.16	Per ct. 11.14	Per ct. 10.94
6999	Harteno Horse and Cattle Food, The Lake Shore Elevator Co., Cleveland, Ohio.	Washington, Henry O. Myers.	799	15.65	10.62	10.94
6887	Harteno Horse and Cattle Food, The Lake Shore Elevator Co., Cleveland, Ohio.	New Kensington, Wally & Klugh.	687	13.12	11.17	10.94
		Average, -----		15.50	11.00	-----
7281	Horse Chop, D & A. Luckenbach, Bethlehem, Pa.	Bethlehem, D. & A. Luckenbach.	1081	10.56	10.81	8-12
7180	Best mixed Feed for Horses, C. P. Matthews & Sons, Inc., Scranton, Pa.	Scranton, O. P. Matthews & Sons, Inc.	980	9.48	11.38	9-10
6904	Best Mixed Feed for Horses, C. P. Matthews & Sons, Inc., Scranton, Pa.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	704	11.11	12.00	9-10
		Average, -----		10.29	11.69	-----
6560	McMahan's Prepared Horse Feed, C. H. McMahan, Milton, Pa.	Milton, C. H. McMahan, --	360	7.95	23.38	18-20
6651	Alcorn Alfalfa Feed, The Oatequal Co., Columbus, Ohio.	New Brighton, J. H. Hornby & Sons.	451	14.06	8.13	10.00
6308	Perfection Horse Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	York, Anderson Bros & Co.,	108	16.86	10.95	10.00
7569	Perfection Horse Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	McKeesport, A. Davison, --	1369	15.12	12.18	10.50
7373	Perfection Horse Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	Edge Hill, James E. McCaughey.	1173	10.42	11.64	10.50
7162	Perfection Horse Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	Oil City, New Model Milling Co.	962	16.45	10.84	10.50
6840	Perfection Horse Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	Munson Station, Jacob Smutzinger.	640	15.90	10.31	10.50
6851	Perfection Horse Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	Indiana, James St. Clair,--	651	17.49	9.59	10.50
6430	Perfection Horse Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	Shamokin, J. R. Vought, --	230	11.84	11.41	10.50
		Average, -----		15.58	10.99	-----
7021	Alfalfa Horse Feed, F. V. Perry, Scottdale, Pa.	Mt. Pleasant, F. E. Painter.	821	9.79	13.00	13.75
7036	Alfalfa Horse Feed, F. V. Perry, Scottdale, Pa.	Scottdale, F. V. Perry, ----	836	10.62	11.69	13.75
		Average, -----		10.20	12.35	-----

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.35	Per ct. 4.50	Per ct. 5.47	Per ct. 6.35	\$1 90	Corn, bran, oats and molasses.	As certified, -----	6657
4.09	4.50	6.22	6.35	2 20	Corn, bran, oats and molasses.	As certified, -----	6999
4.26	4.59	6.25	6.85	2 00	Corn, bran, oats and molasses.	As certified, -----	6887
4.26	-----	6.02	-----	2.01			
4.10	4-6	3.20	4-6	1 75	Rye and hominy, -----	As certified, -----	7281
4.68	3-4	4.55	6-7	1 85	Corn, oats, wheat middlings and linseed	As certified, -----	7180
5.55	3-4	4.97	6-7	38 00	Corn, oats, wheat middlings and linseed meal.	As certified, -----	6904
5.12	-----	4.76	-----	32 50			
7.18	7-8	7.67	9-10	32 00	Brewers' dried grains, hominy meal, cottonseed meal, and middlings.	As certified, -----	6560
3.32	3.00	8.70	14.00	155	Oats, corn, alfalfa, brewers' grains, oat middlings, oat shorts, oat hulls and molasses.	As certified, -----	6651
3.25	3.00	8.54	12.00	31 00	Corn, oats, alfalfa meal, and molasses.	As certified, -----	6308
3.16	2.00	8.64	12.00	33 00	Corn, oats, alfalfa meal, and molasses.	As certified, -----	7569
2.58	2.00	9.77	12.00	1 70	Corn, oats, alfalfa meal, and molasses.	As certified, -----	7373
3.53	3.00	8.54	12.00	1 85	Corn, oats, alfalfa meal, and molasses.	As certified, -----	7162
3.32	3.00	7.22	12.00	1 75	Corn, oats, alfalfa meal, and molasses.	As certified, -----	6840
2.67	3.00	7.29	12.00	2 00	Corn, oats, alfalfa meal, and molasses.	As certified, -----	6851
3.12	3.00	7.77	12.00	1 80	Corn, oats, alfalfa meal, and molasses.	As certified, -----	6430
3.09	-----	8.25	-----	1 77			
4.85	4.91	6.22	6.53	1 80		Corn, oats, wheat bran, alfalfa and linseed oil meal.	7021
4.45	4.91	4.80	6.53	38 00	Corn, oats, bran, oil meal, cut alfalfa hay and salt.	As certified, -----	7036
4.65	-----	5.51	-----	1.85			

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
6636	Peter's Arab Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Beaver Falls, John G. Allen.	436	15.85	11.50	9.00
6626	Peter's Arab Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Monongahela City, D. E. Gamble.	426	15.57	11.07	9.00
7448	Peter's Arab Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Wilkinsburg, Johnston & Smith.	1248	15.85	9.77	9.00
6629	Peter's Arab Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Charleroi, R. C. Mountser,	429	17.45	11.02	9.00
7429	Peter's Arab Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Wilmerding, Routh & Co.,	1229	14.98	9.99	9.00
7578	Peter's Arab Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Pitcairn, D. F. Salyards, --	1378	16.06	10.81	9.00
6282	Peter's Arab Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Johnstown, Swope Bros.,--	82	16.55	11.07	8.00
		Average, -----		16.04	10.75	-----
7027	Pritt's Alfalfa Horse Feed, J. E. Pritts, Scottdale, Pa.	Scottdale, J. E. Pritts,--	827	9.50	13.19	14-16
6684	Green Cross Horse Feed, The Quaker Oats Co., Chicago, Ill.	Evans City, Enos Barkey, --	484	17.47	9.91	10.00
7582	Green Cross Horse Feed, The Quaker Oats Co., Chicago, Ill.	Pitcairn, John Shiffler & Son.	1382	13.69	11.20	10.00
		Average, -----		15.58	10.56	-----
7367	Herald Horse and Mule Feed, Stafolife Feed and Milling Co., Ltd., New Orleans, La.	Philadelphia, George Egolf & Co.	1167	13.19	10.45	10.00
6273	Chicago Alfalfa Horse and Mule Feed, The Western Grain Products Co., Hammond, Ind.	Johnstown, G. Bostert & Son.	73	14.92	12.03	10.00
6643	Chicago Alfalfa Horse and Mule Feed, The Western Grain Products Co., Hammond, Ind.	Beaver Falls, Dodds & Garrett.	443	16.66	11.47	10.00
7466	Chicago Alfalfa Horse and Mule Feed, The Western Grain Products Co., Hammond, Ind.	Braddock, John Laehman,--	1266	15.40	11.69	10.00
7515	Chicago Alfalfa Horse and Mule Feed, The Western Grain Products Co., Hammond, Ind.	Littlestown, Littlestown Milling Co.	1315	16.54	12.07	10.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 2.56	Per ct. 2.00	Per ct. 10.10	Per ct. 15.00	\$1 80	Corn, oats, alfalfa and molasses.	As certified, -----	6636
3.10	2.00	7.32	15.00	1 75	Corn, oats, alfalfa and molasses.	As certified, -----	6626
2.69	2.00	7.07	15.00	1 75	Corn, oats, alfalfa and molasses.	As certified, -----	7448
3.24	2.00	7.74	15.00	34 50	Corn, oats, alfalfa and molasses.	As certified, -----	6629
2.40	2.00	10.70	15.00	1 80	Corn, oats, alfalfa and molasses.	As certified, -----	7429
2.22	2.00	10.30	15.00	1 70	Corn, oats, alfalfa and molasses.	As certified, -----	7578
2.76	2.00	7.22	15.00	33.00	Corn, oats, alfalfa and molasses.	As certified, -----	6282
2.71	-----	8.63	-----	34.79			
4.45	4.5-6	5.85	12.00	1 75	Alfalfa, wheat bran, wheat middlings, corn, oats and red dog.	As certified, -----	7027
3.53	3.25	8.09	9.00	1 70	Alfalfa, corn oats, molasses, oat meal mill by-product, (oat middlings, oat hulls, oat shorts) and cottonseed meal.	As certified, -----	6684
3.97	3.25	8.84	10.50	1 70	Alfalfa meal, ground corn, crushed oats, molasses, oat meal mill by-product (oat middlings, oat hulls, oat shorts and cottonseed meal.	Alfalfa meal, ground corn, crushed oats, molasses, oat middlings, oat hulls, oat shorts, cottonseed meal, Kaffir corn and wheat.	7582
3.75	-----	8.46	-----	1 70			
2.75	2.75	8.09	12.00	25 00	Corn, alfalfa, brewers' grains, cottonseed meal, grain screenings, molasses and salt.	As certified, -----	7367
2.71	3.00	10.45	15.00	1 70	Corn, oats, alfalfa, linseed meal, and cane molasses.	As certified, -----	6273
3.40	3.00	10.16	15.00	1 80	Corn, oats, alfalfa, linseed meal, and cane molasses.	As certified, -----	6643
2.66	3.00	13.25	15.00	1 60	Corn, oats, alfalfa, linseed meal, and cane molasses.	As certified, -----	7466
3.13	3.00	11.57	15.00	32.00	Corn, oats, alfalfa, linseed meal, and cane molasses.	As certified, -----	7515

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6349	Chicago Alfalfa Horse and Mule Feed, The Western Grain Products Co., Hammond, Ind.	Hanover, W. J. Young, & Co.	149	Per ct. 15.46	Per ct. 11.88	Per ct. 10.00
		Average, -----		15.79	11.83	-----
7442	Hammond Horse Feed, The Western Grain Products Co., Hammond, Ind.	Cannonsburg, Cannonsburg Milling Co.	1242	14.81	11.87	12.00
Calf Meal.						
7496	Blatchford's Calf Meal, The Blatchford Calf Meal Factory, Waukegan, Ill.	Corry, Acme Milling Co.,---	1296	9.93	25.63	25.00
6810	Blatchford's Calf Meal, The Blatchford Calf Meal Factory, Waukegan, Ill.	Kittanning, J. A. Gault & Co.	610	11.33	24.81	25.00
6594	Blatchford's Calf Meal, The Blatchford Calf Meal Factory, Waukegan, Ill.	Antes Fort, Gbeen, Spigelmyer & Phleger.	394	9.96	24.75	25.00
7146	Blatchford's Calf Meal, The Blatchford Calf Meal Factory, Waukegan, Ill.	Tionesta, Lanson Bros.,----	946	8.26	25.63	25.00
7097	Blatchford's Calf Meal, The Blatchford Calf Meal Factory, Waukegan, Ill.	Mahoningtown, Mahoningtown Supply Co.	897	9.67	24.06	25.00
6458	Blatchford's Calf Meal, The Blatchford Calf Meal Factory, Waukegan, Ill.	Port Allegany, Port Allegany Milling Co.	258	10.15	24.88	25.00
6263	Blatchford's Calf Meal, The Blatchford Calf Meal Factory, Waukegan, Ill.	Gap, Jos. C. Walker & Sons Co.	63	9.92	25.75	25.00
6519	Blatchford's Calf Meal, The Blatchford Calf Meal Factory, Waukegan, Ill.	Warren, Warren Mill Co.,	319	11.52	25.00	25.00
		Average, -----		10.09	25.06	-----
6482	Gregson's Calf Meal, The Great Western Cereal Co., Chicago, Ill.	Wellsboro, Equity Co-operative Exchange.	282	9.11	26.81	25.00
7445	International Grofast Calf Meal, International Stock Food Co., Minneapolis, Minn.	Canonsburg, Canonsburg Milling Co.	1245	10.09	27.19	25.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 2.59	Per ct. 3.00	Per ct. 11.67	Per ct. 15.00	\$1 65	Corn, oats, alfalfa, linseed meal and cane molasses.	As certified, -----	6349
2.90	-----	11.42	-----	1 67			
2.96	2.80	7.50	11.00	1 90	Corn, oats, barley screenings, malt sprouts, linseed meal, molasses and one- tenth of 1 per cent. salt.	As certified, -----	7442
4.50	5.00	5.48	5.00	3 50	Locust bean meal, wheat flour, flaxseed, cottonseed meal, ground beans, and lentils.	Locust bean meal, wheat flour, flaxseed, ground beans and lentils and cocoa hulls.	7496
5.00	5.00	5.85	5.00	3 20	Locust bean meal, wheat flour, flaxseed, cottonseed meal, ground beans, and lentils.	As certified, -----	6810
5.50	5.00	6.42	5.00	4 00	Locust bean meal, wheat flour, flaxseed, cottonseed meal, beans and lentils.	As certified, -----	6594
5.25	5.00	5.92	5.00	4 00	Locust bean meal, wheat flour, flaxseed, cottonseed meal, ground beans, and lentils.	As certified, -----	7146
4.75	5.00	6.80	5.00	3 50	Locust bean meal, wheat flour, flaxseed, cottonseed meal, beans and lentils.	As certified, -----	7097
5.68	5.00	7.65	5.00	3 50	Locust bean meal, wheat flour, flaxseed, cottonseed meal, beans and lentils.	As certified, -----	6458
5.45	5.00	7.40	5.00	3 50	Locust bean meal, wheat flour, flaxseed, cottonseed meal, beans and lentils.	As certified, -----	6263
5.40	5.00	7.10	5.00	3.50	Locust bean meal, wheat flour, flaxseed, cottonseed meal, beans and lentils.	As certified, -----	6519
5.19	-----	6.57	-----	3 58			
6.35	5.00	5.35	5.00	3 00	Oatmeal, barley, lin- seed, cottonseed and maximum salt $\frac{1}{4}$ of 1 per cent.	As certified, -----	6482
6.20	5.00	8.05	10.00	3 50	Foenugreck seed, locust bean, linseed oil meal, dried brewers' grains, flaxseed, gluten feed, malt sprouts, pea meal, distillers dried grains, red dog flour, and mixed broken grains of cereal plants separated from wheat, oats, barley and flax screenings.	As certified, -----	7445

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6835	International Grofast Calf Meal, International Stock Food Co., Minneapolis, Minn.	Philipsburg, J. O. Reed,--	635	Per et. 9.08	Per et. 26.50	Per et. 25.00
		Average, -----		9.58	26.85	-----
6724	Sugarota Calf Meal, North-West Mills Co., Winona, Minn.	Chambersburg, Diehl, Onwako & Diehl.	524	11.34	25.09	25.00
6453	Schumacher Calf Meal, The Quaker Oats Co., Chicago, Ill.	Emporium, Emporium Milling Co.	253	7.62	19.94	19.00
6224	Schumacher Calf Meal, The Quaker Oats Co., Chicago, Ill.	Manheim, The Lancaster County Farmers Association.	24	8.26	19.63	19.00
7602	Schumacher Calf Meal, The Quaker Oats Co., Chicago, Ill.	Washington, Henry O. Myers.	802	8.28	19.94	19.00
7107	Schumacher Calf Meal, The Quaker Oats Co., Chicago, Ill.	Sharon, J. M. Porter, --	907	8.18	17.00	19.00
		Average, -----		8.11	19.13	-----
MISCELLANEOUS FEEDS.						
7271	Mixed Feed, Bushkill Milling Co., Easton, Pa.	Easton, H. E. Hawk's Son,	1071	9.37	10.44	8.00
7235	Mixed Feed, The Dayton Milling Co., Towanda, Pa.	Towanda, The Dayton Mill-	1035	10.60	9.88	6-10
6925	Oats as Taken from Car, E. E. Delp Grain Co., Philadelphia, Pa.	Nanticoke, Gibbs' Milling Co.	725	7.74	13.50	-----
6926	Oats After Cleaning, E. E. Delp Grain Co., Philadelphia, Pa.	Nanticoke, Gibbs' Milling Co.	726	9.25	13.38	-----
6927	Cleanings taken from Oats, E. E. Delp Grain Co., Philadelphia, Pa.	Nanticoke, Gibbs' Milling Co.	727	7.94	11.81	-----
6928	Screenings taken from Oats, E. E. Delp Grain Co., Philadelphia, Pa.	Nanticoke, Gibbs' Milling Co.	728	8.29	20.44	-----
7143	Corn and Oats Feed, Emle-ton Milling Co., Emle-ton, Pa.	Emleton, Emleton Milling Co.	943	10.80	9.88	9.00
7229	Mixed Feed, F. H. Hagerman, Towanda, Pa.	Towanda, F. H. Hagerman,	1029	11.27	9.81	7-10
6991	Bramming Refuse, Jones & Laughlin Steel Co., Pittsburgh, Pa.	Hickory, Carlisle & Cowden,	791	6.28	13.81	-----
7276	Mixed Feed, Mann & Alls-house, Easton, Pa.	Easton, George E. Dull, ----	1076	8.57	9.81	6-10
7179	Mixed Feed, C. P. Matthews & Sons, Inc., Scranton, Pa.	Scranton, C. P. Matthews & Sons, Inc.	979	9.09	11.19	7-9

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 6.58	Per ct. 5.00	Per ct. 8.15	Per ct. 10.00	\$3 75	Foenugreek seed, locust bean, linseed oil meal, dried brewers' grains, flaxseed, gluten feed, malt sprouts, pea meal, distillers dried grains, red dog flour, and mixed broken grains of cereal plants separated from wheat, oats, barley and flax screenings.	Foenugreek seed, linseed oil meal, dried brewers' grains, flaxseed, gluten feed, pea meal, red dog flour and mixed broken grains separated from wheat, oats barley and flax screenings.	6835
6.39	-----	8.10	-----	3 63			
6.00	6.00	3.00	6.00	3 00	Pulverized wheat, pulverized malt, linseed and cottonseed meal.	As certified, -----	6724
8.08	8.00	2.90	3.00	3 50	Oat meal, wheat meal, ground flaxseed and dried milk.	As certified, -----	6453
8.28	8.00	3.07	3.00	3 00	Oat meal, wheat meal, ground flaxseed and dried milk.	As certified, -----	6224
7.50	8.00	2.67	3.00	4.00	Oat meal, wheat meal, ground flaxseed and dried milk.	As certified, -----	7002
7.53	8.00	2.05	3.00	3 20	Oat meal, wheat meal, ground flaxseed and dried milk.	As certified, -----	7107
7.85	-----	2.67	-----	3 43			
5.50	3.00	5.50	7.00	1 75	Corn, rye, rye feed, hominy, wheat middlings, oats and bran.	As certified, -----	7271
3.93	3-6	6.07	6-9	1 65	Corn, oat by-products and wheat feeds.	Corn, oat middlings, oat hulls, wheat bran and middlings.	7225
4.80	-----	10.95	-----	-----	Oats, as taken from the ear.	Sulphured oats, -----	6925
5.00	-----	9.60	-----	-----	Oats after cleaning, --	Sulphured oats, -----	6926
4.20	-----	14.87	-----	-----	Oat cleanings, -----	As certified, -----	6927
10.60	-----	7.77	-----	-----	Screening taken from oats.	Screenings, largely weed seeds.	6928
4.75	4.00	3.45	4.00	1 90	Corn, oats and corn bran.	As certified, -----	7143
3.78	3-6	5.20	8-9	1 70	Corn, oat middlings, oat shorts, and oat hulls.	As certified, -----	7229
6.25	-----	12.30	-----	16 50		Wheat middlings and palm oil.	6991
4.25	2-6	5.45	6.00	1 70	Corn, rye, rye feed, wheat middlings and hominy.	As certified, -----	7276
6.25	4-6	5.22	5-6	1 75	Hominy, corn and oat hulls.	As certified, -----	7179

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.		
					Found.	Guaranteed.	
7182	Mixed Feed, C. P. Matthews & Sons, Inc., Seranton, Pa.	Seranton, C. P. Matthews & Sons, Inc.	982	Per ct. 10.06	Per ct. 10.00	Per ct. 7-9	
6003	Mixed Feed, C. P. Matthews & Sons, Inc., Seranton, Pa.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	703	10.35	11.88	7-9	
7140	Mixed Feed, McCauley, McKay & Co., Brockwayville, Pa.	Brockwayville, McCauley, McKay & Co.	940	10.97	12.69	7-10	
6363	Dried Grains, Mountain City Milling Co., Frederick, Md.	Harrisburg, J. H. Sheesley,	163	5.03	22.88	20.00	
7273	Mixed Feed, Newlin's Milling Co., Easton, Pa.	Easton, H. E. Hawk's Sons,	1073	8.53	10.00	9.00	
7161	Mixed Feed, Oil City Milling Co., Oil City, Pa.	Oil City, Oil City Milling Co.	961	8.50	13.88	11-13	
7099	Ground Puffed Rice Screenings, The Quaker Oats Co., Chicago, Ill.	New Castle, New Castle Feed Co.	899	9.11	7.81	-----	
7100	Ground Puffed Wheat, The Quaker Oats Co., Chicago, Ill.	New Castle, New Castle Feed Co.	900	8.01	17.50	-----	
6830	Ear and Shelled Corn, Oats and Wheat Feed, Tyrone Milling Co., Tyrone, Penna.	Tyrone, Tyrone Milling Co.,	630	10.75	10.88	8.50	
7272	Mixed Feed, F. C. Williams, Easton, Pa.	Easton, H. E. Hawk's Son,	1072	9.86	11.75	10.00	
7187	Mixed Feed, J. M. Wyckoff, East Stroudsburg, Pa.	East Stroudsburg, J. M. Wyckoff.	987	7.73	12.31	6-10	
MISCELLANEOUS CHOP FEEDS.							
Corn Chops.							
6296	Ordinary Feed Meal, The Toledo Grain and Milling Co., Toledo, Ohio.	South Fork, J. E. Crisman,	96	11.88	9.06	7-9	
7038	Camp's Corn Meal Stone Ground, The Toledo Grain and Milling Co., Toledo, Ohio.	Connellsville, Dull & Co.,	838	10.38	8.88	-----	
Average, -----				11.13	8.97	-----	
Corn and Oat Chops.							
7495	Corn and Oats Chop, Acme Milling Co., Corry, Pa.	Corry, Acme Milling Co., --	1295	10.28	11.63	-----	
6967	Crescent Corn and Oats Chop, T. M. Biddle, Altoona, Pa.	Altoona, H. H. Langdon, --	767	10.93	9.88	7-50	
6280	Pure Corn and Oats Chop, G. Bostart & Son, Johnstown, Pa.	Johnstown, G. Bostert & Son.	80	13.08	10.88	-----	
6669	Corn and Oats Feed, Crouch Bros. Co., Erie, Pa.	Butler, P. J. Oesterling & Son.	469	12.16	10.38	8.75	
6600	Corn and Oats Chop, Dayton Milling Co., Towanda, Pa.	Williamsport, Gohl & King,	400	12.81	10.31	7-11	
7052	Chop, Eclipse Milling Co., South Brownsville, Pa.	South Brownsville, Eclipse Milling Co.	852	10.58	9.38	7-10	
6464	Corn and Oats Chop, Eulalia Mills, Coudersport, Pa.	Coudersport, Eulalia Mills, --	264	12.09	11.94	-----	

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per cent.	Per cent.	Per cent.	Per cent.				
3.40	4-6	4.02	5-6	\$1 75	Hominy, corn and oat hulls.	As certified, -----	7182
7.80	4-6	5.95	5-6	1 60	Hominy, corn and oat feed.	Corn, oat middlings, oat hulls, and trace of buckwheat hulls.	6903
4.50	2-4	3.10	6-9	1 70	Corn and brewers' grains.	Corn, brewers' grains and small amount of oats.	7140
10.90	7.00	15.92	-----	1 40	-----	Corn distillers' grains, brewers' grains and malt sprouts.	6363
3.93	3.00	5.15	6.00	1 75	Corn, rye and bran, --	As certified, -----	7273
4.13	3-5	4.65	10-12	1 70	Wheat bran, corn meal and wheat middlings.	As certified, -----	7161
0.70	-----	0.72	-----	1 50	-----	Ground puffed rice screenings.	7099
2.45	-----	3.00	-----	1 40	-----	Ground puffed wheat, --	7100
4.20	3.50	5.95	3.00	35 00	Ear and shelled corn, oats and wheat feed.	As certified, -----	6830
5.10	4.00	3.35	6.00	1 75	Corn, barley, oats, rye middlings and wheat middlings.	As certified, -----	7272
7.73	2-6	5.30	6-10	31 00	Shelled and ear corn, rye middlings and hominy.	As certified, --- -----	7187
4.18	3.5-4.5	3.55	6-8	1 50	Yellow shelled and yellow ear corn.	As certified, -----	6296
3.80	-----	4.95	-----	1 70	-----	Ground corn and cob meal.	7038
3.99	-----	4.25	-----	1 60	-----	-----	-----
5.00	-----	6.55	-----	1 45	Corn and oats, -----	As certified, -----	7495
4.10	3.00	4.00	9.00	1 80	Corn and oats, -----	As certified, -----	6967
4.18	-----	2.57	-----	32 00	Corn and oats, -----	As certified, -----	6280
4.30	4.05	3.65	3.42	1 70	-----	Corn and oats, -----	6669
3.75	2-5	3.52	-----	1 70	Corn and oats, -----	As certified, -----	6600
4.30	2-5	3.15	5-10	1 85	Corn and oats, -----	As certified, -----	7052
4.50	-----	5.00	-----	1 70	Corn and oats, -----	As certified, -----	6464

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.		
					Found.	Guaranteed.	
				Per ct.	Per ct.	Per ct.	
7534	Corn and Oats Chop, F. E. Farabaugh, Patton, Pa.	Patton, F. E. Farabaugh,--	1334	12.20	9.44	-----	
6505	Corn and Oats Chop, L. A. Fischer & Co., Bradford Pa.	Bradford, L. A. Fischer & Co.,	305	12.80	11.56	-----	
6443	Corn and Oats Chop, Foresman & Kelsey Milling Co., Flemington, Pa.	Lock Haven, A. Simon's Sons,	243	12.00	10.44	-----	
6980	Corn and Oats Chop, John Fuoss, Bellwood, Pa.	Bellwood, John Fuoss, ----	780	11.21	9.50	-----	
6479	Fine Ground Corn and Oats, Half and Half, Globe Elevator Co., Buffalo, N. Y.	Wellsboro, Equity Co. operative Exchange.	279	12.38	11.69	-----	
7232	Corn and Oats Chop, F. H. Hagerman, Towanda, Pa.	Towanda, F. H. Hagerman.	1032	10.22	10.25	-----	
7539	Pure Corn and Oats Chop, Haid & Sweeney, Gallitzin, Pa.	Gallitzin, Haid & Sweeney,	1339	15.24	9.44	-----	
7041	Chop, Hogsett & Hankins, Uniontown, Pa.	Uniontown, Hogsett & Hankins.	841	11.70	10.00	8.00	
7064	Corn and Oats Chop, Huntingdon Milling Co., Huntingdon, Pa.	Huntingdon, Huntingdon Milling Co.	864	11.34	9.19	-----	
6488	Corn and Oats, Half and Half, Husted Milling Co., Buffalo, N. Y.	Wellsboro, Max Bernkop & Bro.	288	11.50	11.19	-----	
7378	Corn and Oats, Half and Half, Husted Milling Co., Buffalo, N. Y.	Doylestown, M. E. Yost, --	1178	9.27	10.88	-----	
7062	Standard Corn and Oats Chops, Sidney T. Isett, Spruce Creek, Pa.	Spruce Creek, Sidney T. Isett.	862	11.36	9.81	10.43	
7144	Corn and Oats Chop, Lanson Bros., Tionesta, Pa.	Tionesta, Lanson Bros., --	944	10.78	10.19	-----	
7169	Corn and Oats Chop, J. H. Lavery, Franklin, Pa.	Franklin, J. H. Lavery,--	969	9.56	9.81	-----	
6803	Corn and Oats Chop, Leechburg Flouring Mills, Leechburg, Pa.	Leechburg, Leechburg Flouring Mills.	603	11.42	10.38	-----	
6245	L. & S. Corn and Oats Chop, Levan & Sons, Lancaster, Pa.	Lancaster, Levan & Sons,	45	11.82	10.69	-----	
7130	Corn and Oats Chop, T. E. McCreight, Prescottville, Pa.	Prescottville, T. E. McCreight.	930	12.02	11.00	-----	
7106	Corn and Oats Chop, James McGrew, Sharpsville, Pa.	Sharpsville, James McGrew,--	906	10.62	9.94	-----	
6670	Corn and Oats Chop, The Ohio Cereal Co., Circleville, Ohio.	Butler, The Leedom & Worrall Co.	470	12.46	10.06	10.00	
6628	Esmeralda Corn and Oats Chop, The Ohio Cereal Co., Circleville, Ohio.	Charleroi, R. C. Mountser,--	428	12.63	10.38	10.00	
7035	Corn and Oats Chop, F. V. Perry, Scottsdale, Pa.	Scottsdale, F. V. Perry, ----	835	10.96	9.94	-----	
6454	Corn and Oats Chop, Port Allegany Milling Co., Port Allegany, Pa.	Port Allegany, Port Allegany Milling Co.	254	12.72	10.56	-----	
6433	Mixed Chop, J. L. Rachan, Clintondale, Pa.	Lock Haven, F. H. Dyer, --	233	13.17	9.88	8-12	
7112	Pure Corn and Oats Chop, The Richards & Evans Co., Cortland, Ohio.	Farrell, J. B. Roux, -----	912	10.44	10.63	-----	
7104	Pure Corn and Oats Chop, The Richards & Evans Co., Cortland, Ohio.	New Castle, P. Wagner & Son.	904	9.63	11.00	-----	

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
4.15	Per et.	Per et.	Per et.	\$1 65	-----	Corn and oats, -----	7534
5.00	-----	5.35	-----	1 65	Corn and oats, -----	As certified, -----	6565
4.53	-----	2.62	-----	1 70	Corn and oats, -----	As certified, -----	6443
3.95	-----	2.72	-----	1 95	Corn and oats, -----	As certified, -----	6980
5.10	-----	5.97	-----	1 65	Corn and oats, half and half.	As certified, -----	6479
4.33	-----	5.12	-----	1 75	Corn and oats, -----	As certified, -----	7232
4.15	-----	2.90	-----	32 00	Corn and oats, -----	As certified, -----	7539
4.40	3.00	2.85	8.00	1 70	Corn and oats, -----	As certified, -----	7041
4.00	-----	1.92	-----	2.00	Corn and oats, -----	As certified, -----	7064
5.50	-----	4.70	-----	1 65	Corn and oats, half and half.	As certified, -----	6488
5.30	-----	5.05	-----	1 75	-----	Corn and oats, -----	7378
4.15	4.38	2.65	8-10	37 00	-----	Corn and oats, -----	7062
4.30	-----	3.60	-----	1 85	Corn and oats, -----	As certified, -----	7144
4.75	-----	3.57	-----	1 75	Corn and oats, -----	As certified, -----	7169
4.38	-----	4.10	-----	1 95	Corn and oats, -----	As certified, -----	6803
4.40	-----	4.52	-----	1 70	Corn and oats, -----	As certified, -----	6245
3.90	-----	3.97	-----	1.85	Corn and oats, -----	As certified, -----	7130
4.25	-----	4.40	-----	1 85	-----	Corn and oats, -----	7106
5.50	4.00	3.50	6.00	30 50	Corn and oats, -----	As certified, -----	6670
4.98	4.00	3.37	6.00	32 00	Corn and oats, -----	As certified, -----	6623
4.15	-----	3.47	-----	35.00	Corn and oats, -----	As certified, -----	7035
4.00	-----	3.75	-----	1 65	Corn and oats, -----	As certified, -----	6454
4.25	3-5	2.35	9.00	1 70	Corn and oats, -----	As certified, -----	6433
4.38	-----	4.95	-----	1 70	-----	Corn and oats, -----	7112
4.20	-----	4.37	-----	1 95	-----	Corn and oats, -----	7104

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.		
					Found.	Guaranteed.	
				Per ct.	Per ct.	Per ct.	
6621	Corn and Oats Chop, William Shomaker & Co., Greensburg, Pa.	Greensburg, William Shomaker & Co.	421	14.39	9.25	-----	
7019	Corn and Oats Chop, O. P. Shupe, Mt. Pleasant, Pa.	Mt. Pleasant, O. P. Shupe,	819	9.38	11.13	7.10	
6513	Corn and Oats Chop, Smith Bros., Bradford, Pa.	Bradford, Smith Bros., ---	313	11.78	10.63	-----	
6303	— Swope Bros., Johnstown, Pa.	Windber, Eureka Stores, ---	103	14.51	9.94	-----	
7159	Corn and Oats Chop, Titusville City Mills, Titusville, Pa.	Titusville, Titusville City, City Mills.	959	9.42	10.44	-----	
6352	Camp's Flaked Corn and Oats, The Toledo Grain and Milling Co., Toledo, Ohio.	New Brighton, J. H. Hornby & Sons.	452	11.49	9.88	10.00	
7526	Corn and Oats Chop, Veith Bros., Ebensburg, Pa.	Ebensburg, Veith Bros., ---	1326	12.66	9.75	-----	
6821	Pure Corn and Oats Chop, J. E. Walker, Ford City, Pa.	Ford City, J. E. Walker, --	621	11.22	9.38	-----	
6521	Fresh Ground Chop, Warren Mill Co., Warren, Pa.	Warren, Warren Mill Co., --	321	11.52	10.94	-----	
7070	Choeice Chop, The White Oak Milling Co., Inc., Holsopple, Pa.	Holsopple, The White Oak Milling Co., Inc.	870	10.50	10.06	9-11	
		Average, -----		11.62	10.31	-----	
	Corn, Oats and Barley Chops.						
6979	Corn, Oats and Barley Chop, John Fuoss, Bellwood, Pa.	Bellwood, John Fuoss, -----	779	10.75	10.44	-----	
6886	Corn, Oats and Barley, The Lake Shore Elevator Co., Cleveland, Ohio.	New Kensington, Wally & Klugh.	686	10.79	8.25	-----	
		Average, -----		10.77	9.35	-----	
	Corn, Oats and Rye Chops.						
6495	A. Feed, George C. & F. A. Brooks, Wellsboro, Pa.	Wellsboro, George C. & F. A. Brooks.	295	10.87	11.63	-----	
7279	Mixed Chop, T. D. Fritch & Sons, Bethlehem, Pa.	Bethlehem, T. D. Fritch & Sons.	1079	9.54	11.81	7-10	
7124	Corn, Oats and Rye Chop, Mahoning Valley Milling Co., Punxsutawney, Pa.	Punxsutawney, Mahoning Valley Milling Co.	924	11.82	9.38	-----	
7226	Corn, Oats and Rye Chop, H. E. Oberts, Dushore, Pa.	Dushore, H. E. Oberts, ---	1026	10.74	10.38	-----	
6327	Corn, Oats and Rye Chop, H. H. Smyser, York, Pa.	York, H. H. Smyser, -----	127	10.70	11.75	-----	
6336	Corn, Oats and Rye Chop, Werner Bros., York, Pa.	York, Jacob Eyster, -----	136	10.24	10.63	-----	
		Average, -----		10.65	10.93	-----	
	Chop Feeds.						
6929	No. 1 Chop, Bergin & Co., Nanticoke, Pa.	Nanticoke, Bergin & Co.,	729	10.58	11.25	8.5-12.8	
6930	No. 2 Chop, Bergin & Co., Nanticoke, Pa.	Nanticoke, Bergins & Co., --	730	11.32	8.88	5.5-9.2	

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.28	-----	Per ct. 2.22	-----	\$30 00	Corn and oats, -----	As certified, -----	6621
4.80	2.05	3.80	6.50	1 80	Corn and oats, -----	As certified, -----	7019
3.98	-----	5.45	-----	34 00	Corn and oats, -----	As certified, -----	6513
4.78	-----	2.90	-----	1 65	-----	Corn and oats, -----	6303
4.45	-----	3.45	-----	1 70	Corn and oats, -----	As certified, -----	7159
4.00	4.00	3.33	8.00	1 80	Pure and unadulterated.	As certified, -----	6652
4.20	-----	3.05	-----	1 65	Corn and oats, -----	As certified, -----	7526
4.10	-----	2.85	-----	1 90	Corn and oats, -----	As certified, -----	6821
4.16	-----	3.70	-----	1 60	Corn and oats, -----	As certified, -----	6521
4.45	1.5-3	3.80	7-9	1 85	-----	Corn and oats, -----	7070
4.41	-----	3.76	-----	34 61	-----	-----	-----
4.10	-----	3.45	-----	1 95	Corn, oats and barley.	As certified, -----	6979
2.33	-----	3.85	-----	1 70	-----	Corn, oats and barley,	6886
3.22	-----	3.65	-----	1 83	-----	-----	-----
4.10	-----	4.42	-----	1 70	Corn, oats and rye,---	As certified, -----	6495
3.25	3-4	3.05	4-10	36 00	Corn, oats and rye,---	Corn, oats and barley,	6886
3.33	-----	8.15	-----	1 75	Corn, oats and rye,---	As certified, -----	7124
3.93	-----	4.10	-----	1 80	Corn, oats and a little rye.	As certified, -----	7226
3.53	-----	3.82	-----	1 80	Corn, oats and rye,--	As certified, -----	6327
3.78	-----	3.75	-----	1.85	Corn, oats and rye,--	As certified, -----	6336
3.65	-----	4.54	-----	1 78	-----	-----	-----
3.80	2.6-4.5	5.85	2.16-4.5	1 90	Corn, oats and rye feed.	As certified, -----	6929
3.80	2.2-4.1	3.65	3.2-5.5	1 80	Corn, oat feed and oats.	Corn, oats, oat mid- dlings and small out oat hulls.	6930

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
6958	Crescent Corn and Oats Chop, T. M. Biddle, Altoona, Pa.	Juniata, R. I. Remaley, ---	758	10.58	9.75	7.50
6542	Standard Mixed Chop, Albert Bradford, Spring Mills, Pa.	Center Hall, R. D. Foreman,	342	11.48	10.75	8-10
7404	Iroquois Chop Feed, Buffalo Cereal Co., Buffalo, N. Y.	Philadelphia, F. L. Lemont,	1204	8.18	8.81	7-8
6870	Corn, Oats and Barley Feed, Chesbro Milling Co., Salamanca, N. Y.	Du Bois, A. F. Sprankle,--	670	8.34	9.00	8-10
6599	Mixed Chop, Dayton Milling Co., Towanda, Pa.	Williamsport, Gohl & King,	399	10.90	8.81	6-10
7203	Mixed Chop, Dayton Milling Co., Towanda, Pa.	Montrose, T. A. Roberts, --	1003	11.30	10.19	6-10
7535	Mixed Chop, W. A. Eckensrode, Carrolltown, Pa.	Carrolltown, W. A. Eckensrode.	1335	13.75	13.69	-----
6442	Mixed Chop, Furst Bros., Cedar Springs, Pa.	Mill Hall, A. B. Garth & Co.	242	11.54	12.25	8-12
5532	Mixed Chop, Gamble, Gheen and Co., Bellefonte, Pa.	Bellefonte, Gamble, Gheen & Co.	332	13.29	12.75	11-14
7120	C. O. & B. Chop Feed, Globe Elevator Co., Buffalo, N. Y.	Punxsutawney, Jefferson Flour and Feed Co.	920	10.36	8.69	7-09
7117	C. O. & B. Chop Feed, Globe Elevator Co., Buffalo, N. Y.	Lindsey, Lindsey Milling Co., -----	917	11.34	7.94	7-9
6751	C. O. & B. Chop Feed, Globe Elevator Co. Buffalo, N. Y.	Millerstown, I. B. Secrist, --	551	10.97	9.31	7-9
6843	C. O. & B. Chop Feed, Globe Elevator Co., Buffalo, N. Y.	Wallaceton, E. K. Turner, --	643	10.26	7.19	7-9
6977	Daisy Mixed Chop, Hagey Bros., Martinsburg, Pa.	Average, ----- Martinsburg, Hagey Bros.,	777	10.73 8.55	8.28 13.63	----- 7.00
7255	Choice Mixed Chop, J. H. Hawk, Allentown, Pa.	Allentown, H. F. Gruyer, --	1055	10.18	12.06	8.10
7040	Chop, Hogsett & Hankins, Uniontown, Pa.	Uniontown, Hogsett & Hankins.	840	10.58	9.25	8.00
6880	Corn, Oats and Barley Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Vandergrift, Claypool & Claypool.	680	7.35	8.81	8.90
7250	Corn, Oats and Barley Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Blairsville, George J. New,	1050	6.73	8.75	8.90

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.32	Per ct. 3.00	Per ct. 3.40	Per ct. 9.00	\$1.90	Corn, oats, and hominy feed.	As certified, -----	6958
3.70	2-4	6.62	9-11	1 70	Corn on the ear, rye oats and barley.	As certified, -----	6542
4.60	3-4	9.80	9.00	1 40	Ground corn, hominy feed, oat bran and oat hulls.	As certified, -----	7404
5.75	4-6	9.05	7-9	1 85	Corn, hominy, barley, oat shorts, oat hulls, oat middlings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6870
3.85	3-6	5.47	6-12	1 60	Corn and oat hulls, ---	As certified, -----	6599
3.80	3-6	6.20	6-9	1 80	Corn, oat by-products and wheat feeds.	Corn, oat middlings, oat hulls, wheat bran and middlings.	7203
3.90	-----	5.05	-----	1 70	Made from whole grains, corn, oats, huckwheat, barley, etc.	Corn, oats, huckwheat and barley.	7535
3.75	3-5	2.57	4-8	1 80	Oats, corn and wheat middlings.	As certified, -----	6442
4.00	3-5	3.32	-----	35 00	Corn, oats and middlings.	As certified, -----	6532
3.83	3-5	6.75	9.00	1 75	Oats, oat shorts, oat hulls ground corn, barley, barley screenings and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	7120
3.88	3-5	9.67	9.00	1 75	Oats, oat shorts, oat hulls, ground corn and cob, barley, barley screenings and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	7117
3.50	3-5	8.75	9.00	1 65	Oats, oat shorts, oat hulls, ground corn and cob, barley, barley screenings and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	6751
3.55	3-5	11.32	9.00	1 60	Oats, oat shorts, oat hulls, ground corn and cob, barley, barley screenings and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	6843
3.69	-----	9.12	-----	1 69	Ear corn, oats, wheat middlings and hominy.	As certified, -----	6977
4.60	3.00	5.85	3-9	1 80			
4.70	4-6	4.70	3-4	1 80	Corn, rye feed and hominy.	As certified, -----	7255
3.70	3.00	2.71	8.00	1 60	Corn, oats and oat hulls.	As certified, -----	7040
4.00	3.70	9.60	9.00	1 75	Shelled and ear corn, oats, barley, wheat flour, oat middlings, oat bran, oat hulls, cottonseed meal and $\frac{1}{4}$ of 1 per cent salt.	As certified, -----	6880
4.25	3.70	11.51	9.00	33 00	Shelled and ear corn, oats, barley, wheat flour, oat middlings, oat bran, oat hulls, cottonseed meal and $\frac{1}{4}$ of 1 per cent salt.	As certified, -----	7250

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
7069	Corn, Oats and Barley Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Washington, Russell Bros.,	809	Per ct. 6.84	Per ct. 8.56	Per ct. 8.90
		Average, -----		6.97	8.71	-----
7031	Premium Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Scottdale, City Feed Store,	831	7.17	8.88	8.00
6631	Premium Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Charleroi, R. C. Monster, --	431	10.24	8.88	8.00
7596	Premium Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Braddock, Irvin Muir, ----	1396	9.61	8.69	8.00
6996	Premium Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Washington, Henry O. Myers.	796	7.10	8.81	8.00
7249	Premium Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Blairsville, George J. New,	1049	7.04	8.63	8.00
6384	Premium Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Freeport, W. A. Noble,----	684	10.37	8.44	8.00
7008	Premium Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Washington, Russell Bros,--	808	7.60	9.13	8.00
		Average, -----		8.41	8.78	-----
7257	Mixed Chop, Geo. A. Keck & Co., Allentown, Pa.	Allentown, Edwin S. Koch,	1057	10.55	11.75	7-12
6746	Ear Corn and Oats Chop, W. H. Kempner, Newport, Pa.	Newport, W. H. Kempner,--	546	9.90	11.38	-----
7262	Rye Chop, A. J. Kern, Slatington, Pa.	Slatington, A. J. Kern, ----	1062	11.39	10.06	10-12
6973	Corn Chop, Klepser Bros., Martinsburg, Pa.	Martinsburg, Klepser Bros.,	773	10.51	11.13	7.00
6972	Cow Chop, Klepser Bros., Martinsburg, Pa.	Martinsburg, Klepser Bros.,	772	10.55	9.63	7.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.75	Per ct. 3.70	Per ct. 10.00	Per ct. 9.00	\$35 00	Shelled and ear corn, oats, barley, wheat flour, oat middlings, oat bran, oat hulls, cottonseed meal and $\frac{1}{4}$ of 1 per cent salt.	As certified, -----	7009
4.00	-----	10.37	-----	34 33			
3.75	3.50	7.60	9.00	1 75	Shelled and ear corn, cottonseed meal, white hominy meal, oat middlings, oat bran, oat hulls and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	7031
3.75	3.50	8.70	9.00	31 00	Shelled and ear corn, cottonseed meal, white hominy meal, oat middlings, oat bran, oat hulls and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	6631
3.50	3.50	9.57	9.00	1 30	Shelled and ear corn, cottonseed meal, white hominy meal, oat middlings, oat bran, oat hulls and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	7596
3.70	3.50	9.05	9.00	1 75	Shelled and ear corn, cottonseed meal, white hominy meal, oat middlings, oat bran, oat hulls and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	6996
3.75	3.50	9.45	9.00	33 00	Shelled and ear corn, cottonseed meal, white hominy meal, oat middlings, oat bran, oat hulls and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	7249
3.50	3.50	7.75	9.00	1 75	Shelled and ear corn, cottonseed meal, white hominy meal, oat middlings, oat bran, oat hulls and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	6884
3.70	3.50	7.75	9.00	34 00	Shelled and ear corn, cottonseed meal, white hominy meal, oat middlings, oat bran, oat hulls and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	7008
3.66	-----	8.55	-----	32 71			
3.70	2-6	3.55	3-7	1 75	Corn, rye middlings and hominy feed.	As certified, -----	7257
3.65	-----	7.45	-----	1 65	Ear corn and oats, ---	As certified, -----	6746
2.00	1-3	2.10	-----	1 70	-----	Rye, -----	7262
5.65	3.00	3.10	6-8	1 80	Corn and hominy, ---	As certified, -----	6973
4.00	3.00	3.50	7-9	1 80	Corn, oat hulls, and hominy.	As certified, -----	6972

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
6947	Cow Chop, Klepser Bros., Martinsburg, Pa.	Altoona, Klepser Bros.,---	747	Per ct. 11.01	Per ct. 9.44	Per ct. 7.00
7464	Special C. O. & B. Chop Feed, John Lachman & Co., Hays, Pa.	Braddock, C. B. Marriott & Sons.	1264	9.56	8.88	7-9
7282	Mixed Chop, M. M. Laudenslager, Emaus, Pa.	Emaus, Laudenslager & Gerst.	1082	11.20	10.56	7-12
7254	Mixed Chop, M. M. Laudenslager, Emaus, Pa.	Allentown, G. B. Shelly, Est.	1054	10.43	9.88	7-12
		Average, -----		10.81	10.22	-----
6934	No. 1 Chop, Luzerne Milling Co., Luzerne, Pa.	Luzerne, Luzerne Milling Co.	734	10.03	13.69	-----
6935	No. 2 Chop, Luzerne Milling Co., Luzerne, Pa.	Luzerne, Luzerne Milling Co.	735	9.21	13.63	-----
5924	B. Chop, Mandeville & Son, Wilkes-Barre, Pa.	Wilkes-Barre, Mandeville & Son.	724	9.28	9.44	9-10
7268	Red Star Mixed Chop, Mauser Mill Co., Treichlers, Pa.	Lehighton, H. W. Enzian,--	1068	10.60	12.25	7-12
6908	Mixed Chop, Miner-Hillard Milling Co., Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	708	10.21	9.06	8-11
7172	No. 1, Chop, Miner-Hillard Milling Co., Scranton, Pa.	Scranton, Miner-Hillard Milling Co.	972	9.79	10.44	10-12
6907	No. 1 Chop, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	707	10.40	10.31	10-12
7283	Mixed Chop, Chas. A. Moyer, Emaus, Pa.	Emaus, Chas. A. Moyer,--	1083	9.18	11.25	12-14
6648	Acme Chop Feed, Nickle Plate Elevator Co., Cleveland, Ohio.	Beaver Falls, M. W. McCandless.	448	9.46	9.25	9.63
7095	Acme Chop Feed, Nickle Plate Elevator Co., Cleveland, Ohio.	Mahoningtown Mahoningtown Supply Co.	895	8.64	8.13	9.03
		Average, -----		9.05	8.69	-----
6634	Special Chop, The Ohio Cereal Co., Circleville, Ohio.	Charleroi, R. C. Mountser,	434	10.91	13.00	13.00
7034	Pipe Mill Chop, F. V. Perry, Scottsdale, Pa.	Scottsdale, F. V. Perry, ---	834	10.72	11.13	-----
6881	Corn and Oats Chop, The Pioneer Cereal Co., Akron, Ohio.	Vandergrift, Claypool & Claypool.	681	9.18	9.25	10.00
7007	Corn and Oats Chop, The Pioneer Cereal Co., Akron, Ohio.	Washington, D. P. Hart,	807	8.02	9.00	10.00

FEEDING STUFFS COLLECTED IN 1912.—Continued

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.95	Per ct. 3.00	Per ct. 3.22	Per ct. 7-9	\$1 80	Corn, oats, oat hulls, oat middlings and hominy.	As certified, -----	6947
3.50	3.5-4.5	6.80	6-8	1 70	White corn, oats, barley, oat middlings, oat groats and oat hulls.	As certified, -----	7464
3.90	2-6	4.02	3-10	1 70	Corn, ear corn, rye middlings, hominy feed, and oats.	As certified, -----	7282
4.35	2-6	4.65	3-10	1 75	Corn, ear corn, rye middlings, hominy feed and oats.	As certified, -----	7254
4.13	-----	4.33	-----	1 73			
3.55	-----	5.75	-----	1 85	White middlings, gluten feed, corn and oats.	As certified, -----	6934
3.10	-----	7.92	-----	1 75	Oat feed, gluten feed, corn and milling oats.	Corn, oats, gluten feed, small amount of oat middlings and oat hulls.	6935
4.80	4-6	5.30	5-6	1 80	Corn, hominy and oat feed.	Corn, hominy, oat middlings and oat hulls.	6924
4.20	2-4	3.60	6-10	1 75	Corn, screenings and middlings.	Corn, wheat middlings, and wheat screenings.	7263
3.36	4-6	6.50	5-6	1 80	Corn, wheat middlings and oat bran.	Corn, wheat middlings, oat bran and oat hulls.	6908
4.25	3.5-6	3.72	3-5	36 00	Corn, oats, middlings and hominy feed.	As certified, -----	7172
4.00	3.5-6	4.45	3-5	1 90	Corn, oats and middlings.	As certified, -----	6907
4.40	3-4	4.40	2-5	1 70	Corn, ear corn, screenings, hominy, wheat and rye middlings.	As certified, -----	7283
4.70	4.37	11.50	7.80	1 60	Corn, oats and barley products.	Corn, oat shorts, oat hulls and small amount of barley.	6648
3.49	4.37	9.65	9.00	1 80	Corn, oats and barley by-product.	Corn, oat shorts, oat hulls and barley hulls	7095
4.10	-----	10.57	-----	1 70			
5.93	5.00	3.72	4.00	34 00	Low grade flour and corn.	As certified, -----	6634
3.95	-----	3.37	-----	2 00	Corn, rye and oats, ---	As certified, -----	7034
4.85	4.00	7.35	9.00	1 70	Corn, oat middlings, oat shorts and oat hulls.	As certified, -----	6881
4.90	4.00	7.60	9.00	1 75	Corn, oat middlings, oat shorts and oat hulls.	As certified, -----	7007

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6992	Corn and Oats Chop, The Pioneer Cereal Co., Akron, Ohio.	Washington, C. S. Hunter Co.	792	Per ct. 8.68	Per ct. 8.44	Per ct. 10.00
7047	Corn and Oats Chop, The Pioneer Cereal Co., Akron, Ohio.	Uniontown, King Bros., --	847	9.24	8.13	10.00
6633	Corn and Oats Chop, The Pioneer Cereal Co., Akron, Ohio.	Charleroi, R. C. Mountser,	433	8.05	9.38	10.00
7009	Corn and Oats Chop, The Pioneer Cereal Co., Akron, Ohio.	Washington, Henry O. Myers.	800	8.32	8.31	10.00
7101	Corn and Oats Chop, The Pioneer Cereal Co., Akron, Ohio.	New Castle, New Castle Feed Co.	901	9.63	8.44	10.00
6923	No. 1 Chop, Samuel Raub & Son, Luzerne, Pa.	Average, ----- Luzerne, Samuel Raub & Son.	733	8.73 11.38	8.71 12.06	----- 10-13
6932	No. 2 Chop, Samuel Raub & Son, Luzerne, Pa.	Luzerne, Samuel Raub & Son.	732	11.06	10.63	10-13
6922	A Chop, Robbins Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Robbins Milling Co.	722	9.19	10.81	9-12
6921	B Chop, Robbins Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Robbins Milling Co.	721	9.05	10.41	9-11
7247	Chop, Ryan & Hunker, Hunker, Pa.	Hunker, Ryan & Hunker,	1047	11.15	12.00	8.00
7018	Ear Corn, Barley, Oats Feed Chop, O. P. Shupe, Mt. Pleasant, Pa.	Mt. Pleasant, O. P. Shupe,	818	9.54	10.31	6.00
7244	Fresh Ground Chop, Jas. F. Stanton & Sons, New Stanton, Pa.	New Stanton, Jas. F. Stanton & Sons.	1044	9.50	11.13	8.00
7163	Camp's C. O. & B. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	East Liberty, C. J. Cleland,	1263	9.72	8.38	7-9
6295	Camp's C. O. & B. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	South Fork, J. E. Crisman,	95	10.84	9.00	7-9
6302	Camp's C. O. & B. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Windber, Eureka, Stores,--	102	11.97	8.88	7-9
6862	Camp's C. O. & B. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	St. Marys, Hall, Kaul & Hyde Co.	662	10.42	8.56	7-9
6890	Camp's C. O. & B. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	New Kensington, J. A. Hawk.	690	8.93	8.38	7-9
7564	Camp's C. O. & B. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	McKeesport, Keystone Commercial Co.	1364	9.60	8.81	7-9
7057	Camp's C. O. & B. Chop Feed, The Toledo Grain and Mining Co., Toledo, Ohio.	New Salem, S. O. McCormick.	857	9.16	8.94	7-9

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$			
3.75	4.00	9.45	9.00	1 75	Corn, oat middlings, oat shorts and oat hulls.	As certified, -----	6992
3.95	4.00	9.39	9.00	33 00	Corn, oat middlings, oat shorts and oat hulls.	As certified, -----	7047
5.75	4.00	7.85	9.00	31 00	Corn, oat middlings, oat shorts and oat hulls.	As certified, -----	6633
4.20	4.00	9.87	9.00	1 75	Corn, oat middlings, oat shorts and oat hulls.	As certified, -----	7000
4.30	4.00	9.42	9.00	1 80	Corn, oat middlings, oat shorts and oat hulls.	As certified, -----	7101
4.53	-----	8.70	-----	1 71	Corn, rye bran, rye middlings and oats.	As certified, -----	6933
3.40	2-4	4.65	3-5	1 80		As certified, -----	6932
3.95	2-4	5.50	3-5	1 70	Corn, wheat bran and light oats.	As certified, -----	6932
4.00	5-7	6.05	4-6	1 90	Corn, hominy, oats, oat feed and rye middlings.	Corn, hominy, oats, oat middlings, oat hulls and rye middlings	6922
4.15	6-8	7.50	4-6	1 80	Corn, hominy and oat feed.	Corn, hominy, oat middlings and oat hulls.	6921
4.05	3.00	4.75	8.00	1 70	Corn, oats, and buck-eye mixed feed, (wheat bran, wheat middlings, ground wheat.)	As certified, -----	7247
3.80	2.00	7.85	8.00	1 60	Ear corn, barley and oats feed.	Ear corn, barley, oat middlings and oat hulls.	7018
4.65	3.00	5.20	5.00	32 00	Corn, oats and wheat screenings.	As certified, -----	7244
3.85	3.5-4.5	5.45	6-8	1 85	White corn, oats, barley, oat middlings, oat groats and oat hulls.	As certified, -----	7463
4.20	3.5-4.5	5.10	6-8	1 50	White shelled corn, ear corn, barley, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	6295
3.88	3.5-4.5	5.30	6-8	1 65	White shelled corn, ear corn, barley, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	6302
3.50	3.5-4.5	6.55	6-8	2 10	White corn, oats, barley, oat middlings, oat groats and oat hulls.	As certified, -----	6862
4.40	3.5-4.5	7.77	6-8	1 90	White corn, oats, barley, oat middlings, oat groats and oat hulls.	As certified, -----	6890
3.50	3.5-4.5	7.92	6-8	25 00	White corn, oats, barley, oat middlings, oat groats and oat hulls.	As certified, -----	7564
4.30	3.5-4.5	7.62	6-8	1 75	White corn, oats, barley, oat middlings, oat groats and oat hulls.	As certified, -----	7057

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
7231	Camp's C. O. & B. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Blairsville, Smith & McKelvey.	1051	Per ct. 8.94	Per ct. 8.63	Per ct. 7-9
		Average, -----		9.94	8.70	-----
6857	Camp's C. O. & B. K. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Ridgway, Smith Bros. Co.,	637	10.10	8.63	7-9
6699	Camp's Keystone Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Zelienople, O. W. Luek, ---	499	10.45	9.00	7-9
6693	Camp's Keystone Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Butler, B. F. Shannon & Co.	493	11.29	8.81	7-9
6858	Camp's Keystone Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Ridgway, Smith Bros. Co.,	658	12.05	8.25	7-9
		Average, -----		11.26	8.69	-----
7039	Camp's M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Connellsville, Dull & Co., -	839	10.04	8.44	7-9
7459	Camp's M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Carnegie, C. A. Foster, ---	1259	8.76	8.44	7-9
6891	Camp's M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	New Kensington, J. A. Hawk.	601	10.57	8.06	7-9
7449	Camp's M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Wilkinsburg, Johnson & Smith.	1249	9.71	9.19	7-9
7252	Camp's M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Blairsville, Smith & McKelvey.	1052	9.68	8.19	7-9
		Average, -----		9.75	8.46	-----
6294	Little Wonder Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	South Fork, J. E. Crisman,	94	11.00	8.69	7-8
6609	Little Wonder Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Latrobe, Latrobe Wholesale Grocery Co.	409	11.05	8.38	7-8
7066	Camp's Little Wonder Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	New Salem, S. O. McCormick.	856	8.90	8.63	7-8
		Average, -----		10.31	8.57	-----
6435	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Lock Haven, M. L. Claster,	235	9.63	10.50	7-9

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.40	Per ct. 3.5-4.5	Per ct. 7.37	Per ct. 6-8	\$32 00	White corn, oats, barley, oat middlings, oat groats and oat hulls.	As certified, -----	7251
4.01	-----	6.63	-----	1 70			
4.30	3.5-4.5	6.52	6-8	2 10	White corn, oats, barley, wheat flour, oat middlings, oat groats and oat hulls.	As certified, -----	6857
3.70	3.5-4.5	6.05	6-8	1 65	White corn, oats, barley, wheat flour, oat middlings, oat groats and oat hulls.	As certified, -----	6099
3.78	3.5-4.5	5.20	6-8	1 75	White corn, oats, barley, wheat flour, oat middlings, oat groats and oat hulls.	As certified, -----	6093
3.65	3.5-4.5	5.30	6-8	1 85	White corn, oats, barley, wheat flour, oat middlings, oat groats and oat hulls.	As certified, -----	6858
3.71	-----	5.50	-----	1 75			
3.65	3.5-4.5	7.35	7-9	1 60	White or yellow corn, oats, oat middlings, oat groats and oat hulls.	As certified, -----	7039
3.50	3.5-4.5	7.05	7-9	26 50	White or yellow corn, oats, oat middlings, oat groats and oat hulls.	As certified, -----	7459
3.85	3.5-4.5	6.80	7-9	1 85	White or yellow corn, oats, oat middlings, oat groats and oat hulls.	As certified, -----	6891
4.00	3.5-4.5	7.05	7-9	1 65	White or yellow corn, oats, oat middlings, oat groats and oat hulls.	As certified, -----	7449
3.85	3.5-4.5	7.20	7-9	30 00	White or yellow corn, oats, oat middlings, oat groats and oat hulls.	As certified, -----	7252
3.77	-----	7.09	-----	31 70			
4.10	3-4	6.75	7-9	1 50	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	6294
3.50	3-4	7.27	7-9	32 00	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	6609
4.28	3-4	6.30	7-9	1 65	Yellow or white corn, oats, oat middlings, oat groats and oat hulls.	As certified, -----	7050
3.96	-----	6.77	-----	1 58			
3.93	3.5-4.5	7.30	7-9	1 70	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	6435

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
				Per ct	Per ct.	Per ct.
6297	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	South Fork, J. E. Crisman,	97	10.11	8.81	7-9
6290	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Conemaugh, F. B. Custer & Bros.	90	10.61	9.13	7-9
		Average, -----		10.11	9.48	-----
6342	Mixed Chop, E. K. Turner, Wallaceton, Pa.	Wallaceton, E. K. Turner,	642	9.98	10.06	6-8
7286	George W. Wertz's Mixed Chop, George W. Wertz, Wernersville, Pa.	Reading, George W. Wertz,--	1086	10.21	11.63	11.00
7289	Mixed Chop, Wertz Milling Co., Reading, Pa.	Reading Aug. O. Wertz & Bro.	1089	10.53	9.94	10.00
1923	Chop, Wilkes-Barre Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Wilkes-Barre Milling Co.	723	9.14	9.50	7-10
5412	Corn and Oats Chop, J. F. Youngman, Selinsgrove, Pa.	Selinsgrove, J. F. Youngman.	212	11.76	11.50	-----
PROPRIETARY POULTRY FOODS.						
1953	Hen Feed, S. O. Adler & Sons, Altoona, Pa.	Altoona, S. O. Adler & Sons.	753	11.85	11.25	-----
7049	Amco Chick Feed, 5 per cent. Grit, American Milling Co., Chicago, Ill.	Uniontown, King Bros., ---	850	10.55	11.38	10.00
6782	Amco Hen Feed, American Milling Co., Chicago, Ill.	West Chester, E. D. Hemp-hill.	582	12.70	12.44	10.00
7050	Amco Hen Feed, American Milling Co., Chicago, Ill.	Uniontown, King Bros., ---	850	10.50	11.38	10.00
		Average, -----		11.62	11.91	-----
7513	Hen-O-La Scratch Feed, Anderson Bros. & Co., York, Pa.	New Oxford, J. H. Duttera,	1313	10.67	10.00	10.00
6889	Sunflower Fine Chick Feed, with Grit, J. J. Badenoch Co., Chicago, Ill.	New Kensington, J. A. Hawk,	689	10.26	10.13	10.00
7406	O-ER-Lay, Poultry Feed, J. J. Badenoch Co., Chicago, Ill.	Philadelphia, F. L. Lemont,	1206	10.45	10.56	9.50
6944	Eclipse Poultry Food, T. M. Biddle, Altoona, Pa.	Altoona, T. M. Biddle, ---	744	12.50	10.06	8.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.00	Per ct. 3.5-4.5	Per ct. 6.20	Per ct. 7-9	\$1 50	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	6297
4.18	3.5-4.5	6.10	7-9	33 00	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	6290
4.04	-----	6.53	-----	1 62			
3.70	1-2	7.72	12-16	1 60	Corn, oats, middlings, lograde, and C. O. B. feed.	Ground corn and cob, wheat middlings, oat and barley products.	6842
3.50	3.00	3.50	4.50	1 90	Corn, oats, rye and middlings.	As certified, -----	7286
3.75	3.00	3.75	4.00	1 75	Corn, oats, rye bran and middlings.	As certified, -----	7289
4.50	3-6	7.00	4-9	1 75	Corn, hominy meal, oat middlings, oat shorts and hulls.	As certified, -----	6923
3.55	-----	6.95	-----	1 50	Ear corn and oats,----	As certified, -----	6412
4.05	-----	4.35	-----	2 00	Cracked corn, oats, wheat barley, buckwheat and Kafir corn,	As certified, -----	6953
3.18	3.00	2.75	5.00	2 00	Cracked corn, cracked wheat, cracked Kafir corn, millet seed, linseed oil cake and grit.	As certified, -----	7049
4.00	3.00	2.82	5.00	2 20	Corn, wheat, barley, Kafir corn, linseed oil cake, sunflower seed and buckwheat.	As certified, -----	6782
2.70	3.00	3.00	5.00	2 00	Corn, wheat, barley, Kafir corn, linseed oil cake, sunflower seed and buckwheat.	As certified, -----	7050
3.85	-----	2.91	-----	2 10			
3.80	3.00	3.17	4.00	2 00	Oats, corn, wheat, Kafir corn, buckwheat, sunflower seed, and hen-e-ta.	As certified, -----	7513
2.75	2.50	3.25	5.00	3 00	Cracked wheat, cracked corn, cracked Kafir corn, millet seed, steel cut oats, not over 6 per cent grit and 1 per cent. charcoal.	As certified, -----	6889
3.20	2.50	2.85	5.00	2 00	Wheat, cracked corn, Kafir corn, barley, oats, sunflower seed, and not over 1 per cent. charcoal.	As certified, -----	7406
3.50	2.00	2.65	9.00	40 00	Wheat, cracked corn, Kafir corn, buckwheat, oats, sunflower, grit and shell.	As certified, -----	6944

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6945	Eclipse Poultry Food, T. M. Biddle, Altoona, Pa.	Altoona, T. M. Biddle, ----	745	Per ct. 11.87	Per ct. 9.63	Per ct. 3.00
6558	Blank & Gottshall Mash Food, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall,	358	6.67	15.69	15-16
6765	Blank & Gottshall Mash Food, Blank & Gottshall, Sunbury, Pa.	Lewistown, H. C. Jackson,	565	7.26	16.44	15-16
		Average, -----		6.96	16.07	-----
6557	Blended Hen Food, The Great Egg Producer, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall,	357	12.98	10.94	8-10.5
6556	Chick Food Invigorator, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall,	356	10.60	10.75	8-10.5
7303	No. 1, Blank & Gottshall's Hen Food, Blank & Gottshall, Sunbury, Pa.	Pottsville, Speacht Bros., --	1103	12.20	10.00	8-10
6559	Pigeon Food, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall,	359	11.53	13.56	10-12.75
6382	Bolgiano's Square Deal Chick Food, Bolgiano's Seed Store, Baltimore, Md.	Lebanon, E. Strickler's Sons,	182	10.02	10.88	10.01
6381	Bolgiano's Square Deal Chick Starter, Bolgiano's Seed Store, Baltimore, Md.	Lebanon, E. Strickler's Sons.	181	10.98	10.06	9.48
6494	Poultry Food, George C. & F. A. Brooks, Wellsboro, Pa.	Wellsboro, George C. & F. A. Brooks.	294	11.97	11.88	8-10
7407	Bufecco Scratching Grains, Buffalo Cereal Co., Buffalo, N. Y.	Philadelphia, F. L. Lemont,	1207	10.83	11.25	10-12
7436	Royal Poultry Feed with Grit, J. W. Byrnes & Co., Chicago, Ill.	Pittsburg, The I. W. Scott	1236	10.33	11.13	10.60
7340	"F. P. C." High Grade Pigeon Feed, F. P. Cassel & Son, Lansdale, Pa.	Lansdale, F. P. Cassel & Son.	1140	11.15	12.19	12-13
7335	"F. P. C." High Grade Poultry Scratch Feed, F. P. Cassel & Son, Lansdale, Pa.	Lansdale, F. P. Cassel & Son.	1135	11.00	11.31	11-12

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 2.60	Per ct. 2.00	Per ct. 1.75	Per ct. 9.00	\$40 00	Cracked corn, cracked wheat, Kaffir corn, and millet seed.	As certified, -----	6945
3.95	3-4	5.10	4-5	2 00	Corn meal, gluten meal, wheat bran, wheat middlings, pea meal, hen-e-ta, alfalfa meal, meat meal, and fish scrap.	As certified, -----	6558
4.09	3-4	5.60	4-5	3 00	Wheat middlings, bran, corn meal, pea meal, alfalfa, fish scrap, meat meal, and hen-e-ta bone.	As certified, -----	6765
4.02	-----	5.35	-----	2 50			
3.60	2.25-3	3.50	2.5-3.5	1 80	Cracked corn, wheat, Kaffir corn, buckwheat, barley, sunflower seed, hen-e-ta bone and charcoal.	As certified, -----	6557
3.10	2.25-3	2.67	2.5-3.25	1 90	Cracked corn, cracked wheat, millet, Kaffir corn, hen-e-ta grit, cracked peas, milo-maize and charcoal.	As certified, -----	6556
3.00	2.2-3	2.77	2.5-3.5	2 25	Cracked corn, wheat, Kaffir corn, buckwheat, barley, sunflower seed, hen-e-ta bone and charcoal.	As certified, -----	7303
4.35	3-4.25	3.90	3.5-5.25	2 20	Cracked corn, wheat, buckwheat, Kaffir corn, peas, hemp seed and millet.	As certified, -----	6559
3.58	3.89	3.60	2.76	2 25	Corn, wheat, Kaffir, millet, rice and seeds without grit.	Corn, wheat, Kaffir corn, millet and rice.	6382
3.80	4.14	3.80	2.70	2 25	Corn, wheat, Kaffir, millet, rice and seeds without grit.	Corn, wheat, Kaffir corn, millet, rice and small amount of weed seeds.	6381
3.50	2-4	3.20	8-10	1 70	Wheat, cracked corn, buckwheat, oats, barley, Kaffir corn and oyster shells.	As certified, -----	6494
3.70	3-4	2.45	5.00	2 25*	Corn, oats, buckwheat, barley, Kaffir corn, wheat, peas, and sunflower seed.	As certified, -----	7407
3.10	3.00	2.72	5.00	2 05	Wheat, barley, Kaffir corn, oats, cracked corn, buckwheat, sunflower seed, not over 3 per cent. grit, 3 per cent shell and 1 per cent. charcoal.	Wheat, barley, Kaffir corn, oats, cracked corn, buckwheat, sunflower seed, grit and shell.	7436
3.55	3-4	3.00	2-3	43 00	Hulled oats, peas, millet, buckwheat, hemp seed, cracked corn, flaxseed, Kaffir corn, rape seed, wheat and canary seed.	As certified, -----	7340
3.90	3-4	3.62	2-5	43 00	Hulled oats, millet, barley, corn, buckwheat, Kaffir corn, wheat, sunflower and bone.	As certified, -----	7335

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
				Per ct.	Per ct	Per ct.
7337	"F. P. C." Standard Poultry Mash Food, F. P. Cassel & Son, Lansdale, Pa.	Lansdale, F. P. Cassel & Son.	1137	8.03	17.19	17-19
7339	"F. P. C." Standard Poultry Feed, F. P. Cassel & Son, Lansdale, Pa.	Lansdale, F. P. Cassel & Son.	1139	11.86	10.44	10-11
7338	"F. P. C." Success Chick Feed, F. P. Cassel & Son, Lansdale, Pa.	Lansdale, F. P. Cassel, & Son.	1138	10.88	12.44	11-12
6895	Rising Sun Scratch Feed. George C. Christian & Co., Minneapolis, Minn.	Hites, Nicholas & Wolf, -	695	12.60	11.06	10.00
6948	E. D. Clarks' Superior Hen Food, E. D. Clark, Altoona, Pa.	Altoona, E. D. Clark, ----	748	11.03	10.13	8.00
6949	Superior Chick Food, E. D. Clark, Altoona, Pa.	Altoona, E. D. Clark, -----	749	11.75	9.44	8.00
6602	Dayton's Ideal Scratch Grains, Dayton Milling Co., Towanda, Pa.	Williamsport, Gohl & King,	402	12.75	11.25	8-12
6603	Dayton's Prize Baby Chick Food, Dayton Milling Co., Towanda, Pa.	Williamsport, Gohl & King,	403	12.22	11.00	9-13
7236	Ideal Scratch Grains, The Dayton Milling Co., Towanda, Pa.	Towanda, The Dayton Milling Co.	1036	11.92	10.83	-----
7051	Colonial Developing Feed No Grit, The Albert Dickinson Co., Chicago, Ill.	Uniontown, King Bros, ----	851	11.48	10.50	10.00
6808	Crescent Chick Feed, with Grit, The Albert Dickinson Co., Chicago Ill.	Kittanning, J. A. Gault Co.,	608	10.97	10.19	10.00
6809	Globe Scratch Feed, No Grit, The Albert Dickinson Co., Chicago, Ill.	Kittanning, J. A. Gault Co.,	609	11.96	11.69	10.00
7498	Pine Tree Scratch Feed, with Grit, The Albert Dickinson Co., Chicago, Ill.	Corry, Acme Milling Co., --	1298	11.29	11.88	10.00
7586	Queen Poultry Mash, The Albert Dickinson Co., Chicago, Ill.	East Pittsburg, James Beech & Son.	1386	9.81	12.00	11.00
7091	Queen Poultry Mash, The Albert Dickinson Co., Chicago, Ill.	New Castle, Fisher & Mengle.	891	9.55	12.44	11.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.45	Per ct. 4-6	Per ct. 8.92	Per ct. 9-11	\$38 00	Ground oats, wheat bran, gluten meal, meat meal, alfalfa meal, corn meal, cottonseed meal, charcoal, wheat middlings, linseed meal and salt.	As certified, -----	7337
3.95	3-4	3.20	2-3	41 00	Sunflower, Kaffir corn, wheat, cracked corn, buckwheat, barley, oats, millet and flax seed.	As certified, -----	7339
3.15	3-4	2.05	2-3	44 00	Steel cut oat meal, cracked wheat, cracked corn, cracked Kaffir corn, millet, bone and powdered aniseed.	As certified, -----	7338
3.10	2.50	2.17	5.00	2 40	Corn, wheat, Kaffir corn, barley, oats, sunflower seed and no grit.	Corn, wheat, Kaffir corn, barley, oats, sunflower seed and linseed oil meal.	6895
3.70	2.00	2.27	15.00	2 10	Cracked corn, buckwheat, Kaffir corn, rye, oats, wheat, sunflower seed, grit and oyster shell.	As certified, -----	6948
3.00	2.00	2.47	15.00	2 10	Cracked corn, Kaffir corn, millet and wheat.	As certified, -----	6949
3.25	3-6	2.77	3-6	2 00	No grit, -----	Corn, oats, wheat, barley, buckwheat Kaffir corn, sunflower seed and trace of weed seeds.	6602
2.98	4-6	2.50	4-6	2.00	No grit, -----	Corn, wheat, millet, and Kaffir corn.	6603
2.90	-----	2.92	-----	2 25	Pure grains, -----	Corn, oats, wheat, buckwheat Kaffir corn and sunflower seed.	7226
2.73	2.50	2.90	5.00	2 50	Corn, wheat, Kaffir corn, hulled oats, buckwheat and millet.	As certified, -----	7051
2.85	2.50	2.20	5.00	2 15	Corn, meat, Kaffir corn, hulled oats, millet and grit.	As certified, -----	6808
3.75	2.50	2.90	5.00	38 00	Corn, wheat, barley, oats, Kaffir corn, buckwheat, sunflower and oil cake.	As certified, -----	6809
2.75	2.50	2.62	5.00	1 70	Corn, wheat, barley, sunflower, oats, Kaffir corn, crushed shells and grit.	As certified, -----	7498
4.25	2.50	8.27	10.00	2 20	Alfalfa meal, corn feed meal, wheat meal, ground corn, ground corn bran, wheat bran, beef scraps, oil cake, and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	7586
4.05	2.50	7.15	10.00	2 00	Corn meal, middlings, bran, shorts alfalfa meal, beef scraps and oil cake.	As certified, -----	7091

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	
6807	Queen Poultry Mash, The Albert Dickinson Co., Chicago, Ill.	Kittanning, J. A. Gault Co.	607	Per ct 10.62	Per ct. 11.19	Per ct. 11.00
		Average, -----		9.99	11.88	-----
6806	Sun Chick Starter, with grit. The Albert Dickinson Co., Chicago, Ill.	Kittanning, J. A. Gault Co.	606	10.87	11.56	10.00
6299	White Cross Scratch Feed, with Grit, The Albert Dickinson Co., Chicago, Ill.	South Fork, J. E. Crisman,	99	9.87	10.44	10.00
7059	White Cross Scratch Feed, No Grit, The Albert Dickinson Co., Chicago, Ill.	New Salem, S. O. McCormick.	859	11.09	11.25	10.00
7277	Mixed Grain, George E. Dull, Easton, Pa.	Easton, George E. Dull,----	1077	11.95	10.25	8.90
7278	Poultry Mash, George E. Dull, Easton, Pa.	Easton, George E. Dull,----	1078	11.10	12.06	6.10
6441	Dyer's Dry Mash, F. H. Dyer, Lock Haven, Pa.	Lock Haven, F. H. Dyer,	241	8.22	21.19	19.38
6434	Dyer's Hen Feed, F. H. Dyer, Lock Haven, Pa.	Lock Haven, F. H. Dyer,	234	12.17	11.94	11.53
6431	Laymor Hen Feed, Jonas F. Eby & Son, Lancaster, Pa.	Shamokin, J. R. Vought,	231	11.45	11.25	7-9
7287	Triumph Mash Feed, Jonas F. Eby & Son, Lancaster, Pa.	Reading, Aug. C. Wertz, & Bro.	1087	9.09	19.66	20-22
7053	Scratch Feed, Eclipse Milling Co., South Brownsville, Pa.	South Brownsville, Eclipse Milling Co.	853	11.55	10.63	8.00
6876	Cackle Fine Chick, with Grit, Edwards & Loomis Co., Chicago, Ill.	Du Bois, Timlin, Kelly & Co.	676	10.84	9.81	9.50
7239	Cackle Poultry Feed, with Grit, Edwards & Loomis Co., Chicago, Ill.	Jeannette, Keystone Supply Co.	1039	10.95	10.19	8.50
6360	Cackle Poultry Feed, No Grit, Edwards & Loomis Co., Chicago, Ill.	Harrisburg, J. H. Sheesley,	160	14.67	11.13	9.50

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.10	Per ct. 2.50	Per ct. 7.70	Per ct. 10.00	\$1 90	Corn meal, middlings, bran, shorts alfalfa meal, beef scraps and oil cake.	As certified, -----	6807
3.80	-----	7.70	-----	2.03			
2.70	2.50	2.25	5.00	2 25	Corn, wheat, Kaffir corn, steel cut oats, millet, cracked peas and grit.	As certified, -----	6806
3.43	2.50	2.40	5.00	1 85	Corn, wheat, barley, oats, Kaffir corn, sunflower crushed shells, grit and buckwheat.	As certified, -----	6299
3.60	2.50	2.50	5.00	2 50	Corn, wheat, barley, oats, Kaffir corn, and sunflower seed.	As certified, -----	7059
3.00	2.30	2.50	4.50	2 20	-----	Corn, oats, wheat, buckwheat and trace of corncockle.	7277
4.38	2.60	4.05	7.00	2 00	Bran, middlings and corn meal.	As certified, -----	7278
5.10	5.00	7.62	7.68	2 25	Corn, bran, chop, alfalfa oil meal, gluten meal, beef scraps, and ben-e-ta.	As certified, -----	6441
3.55	3.80	3.37	3.36	2 00	Cracked corn, buckwheat, wheat, Kaffir corn, sunflower seed, and charcoal.	As certified, -----	6434
3.75	2-5	3.35	5-7	2 00	Cracked corn, buckwheat, sunflower seed, broken cereal plant, separated from wheat, Kaffir corn, poultry bone, flax seed, millet, barley, 5 per cent. grit and shell.	Corn, oats, wheat, barley, buckwheat, sunflower seed, Kaffir corn, millet, flaxseed and grit.	6431
5.35	5-8	7.00	6-8	2.30	Gluten feed, cottonseed meal, oil cake meal, alfalfa meal, wheat-middlings, wheat bran, corn chop, oats chop, and beef scraps.	As certified, -----	7287
3.70	2.00	3.15	8.00	2 10	Cracked corn, wheat, oats, sunflower seed, Kaffir corn and charcoal.	As certified, -----	7053
2.60	2.50	2.30	5.00	2.25	Cracked wheat, cracked corn, cracked Kaffir corn, millet seed, grit and not over 1 per cent. charcoal.	As certified, -----	6876
3.10	2.50	2.52	5.00	2 10	Wheat, cracked corn, Kaffir corn, barley, oats, sunflower seed, not over 4 per cent. grit, 4 per cent. shell and 1 per cent. charcoal.	Cracked corn, Kaffir corn, oats, barley, wheat, sunflower seed, grit, shell, charcoal, and small amount of weed seeds.	7239
3.20	2.50	2.9.	5.00	2 00	Wheat, cracked corn, Kaffir corn, barley, oats, sunflower seed, not over 1 per cent. charcoal and no grit.	As certified, -----	6800

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
6575	Red Comb Coarse Chick, with Grit, Edwards & Loomis Co., Chicago, Ill.	Williamsport, F. W. Dawson & Son.	375	11.19	11.13	10.00
6364	Red Comb Coarse Chick, No Grit, Edwards & Loomis Co., Chicago, Ill.	Harrisburg, J. H. Sheesley,	164	10.86	11.69	10.00
7460	Red Comb Meat Mash, Edwards & Loomis Chicago, Ill.	Carnegie, C. A. Foster, ----	1260	8.70	15.69	15.00
7168	Red Comb Meat Mash, Edwards & Loomis, Chicago, Ill.	Franklin, J. H. Lavery,--	968	9.54	16.94	15.00
6365	Red Comb Meat Mash, Edwards & Loomis, Chicago, Ill.	Harrisburg, J. H. Sheesley,	165	9.40	16.13	15.00
7266	Red Comb Meat Mash, Edwards & Loomis, Chicago, Ill.	East Mauch Chunk, Quinton Stemler.	1066	10.01	15.81	15.00
6875	Red Comb Meat Mash, Edwards & Loomis, Chicago, Ill.	Du Bois, Timlin, Kelly & Co.	675	8.50	16.81	15.00
7575	Red Comb Meat Mash, Edwards & Loomis, Chicago, Ill.	Homestead, Vallowe Bros.,	1375	9.25	15.19	15.00
		Average, -----		9.23	16.10	-----
7167	Red Comb Poultry Feed, No Grit, Edwards & Loomis Co., Chicago, Ill.	Franklin, J. H. Lavery,	907	11.38	10.50	10.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 2.50	Per ct. 2.50	Per ct. 2.22	Per ct. 5.00	\$2 25	Wheat, cracked corn. Kaffir corn, millet seed, hulled oats, not over 6 per cent grit and 1 per cent. char- coal.	As certified, -----	6575
3.35	2.50	2.80	5.00	2 25	Wheat, cracked corn. Kaffir corn, millet seed, hulled oats, and not over 1 per cent. char- coal.	As certified, -----	6364
4.40	4.00	6.40	8.00	42 00	Oat meal, oil meal, corn meal, beef scraps, wheat bran, wheat middlings, alfalfa meal, not over 1 per cent. shells and 1 per cent. charcoal.	As certified, -----	7460
4.30	4.00	8.25	8.00	2 75	Oat meal, oil meal, corn meal, beef scraps, wheat bran, wheat middlings, alfalfa meal, not over 1 per cent. shells and 1 per cent. charcoal.	As certified, -----	7168
3.07	4.00	7.67	8.00	2 00	Oat meal, oil meal, corn meal, beef scraps, wheat bran, wheat middlings, alfalfa meal, not over 5 per cent. shells and 1 per cent. charcoal.	As certified, -----	6365
4.80	4.00	6.20	8.00	2 20	Oat meal, oil meal, corn meal, beef scraps, wheat bran, wheat middlings, alfalfa meal, not over 5 per cent. shells and 1 per cent. charcoal.	As certified, -----	7260
4.00	4.00	8.50	8.00	2 15	Oat meal, oil meal, corn meal, beef scraps, wheat bran, wheat middlings, alfalfa meal, not over 5 per cent. shells and 1 per cent. charcoal.	As certified, -----	6875
4.90	4.00	6.75	8.00	2 35	Oat meal, oil meal, corn meal, beef scraps, wheat bran, wheat middlings, alfalfa meal, not over 5 per cent. shells and 1 per cent. charcoal.	As certified, -----	7575
4.25	-----	7.29	-----	2 26			
3.30	2.50	2.95	5.00	2 25	Wheat, cracked corn. Kaffir corn, barley, oats, sunflower seed, buckwheat, and not over 1 per cent char- coal.	As certified, -----	7167

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5361	Red Comb Poultry Feed, No Grit, Edwards & Loomis Co., Chicago, Ill.	Harrisburg, J. H. Sheesley,	161	Per ct. 13.42	Per ct. 11.38	Per ct. 10.00
		Average, -----		12.40	10.94	-----
7577	Red Comb Poultry Feed, with Grit, Edwards & Loomis Co., Chicago, Ill.	Homestead, Vallowe Bros.,	1377	10.52	10.50	10.00
6362	Red Comb Pigeon Feed, Edwards & Loomis Co., Chicago, Ill.	Harrisburg, J. H. Sheesley,	162	11.05	14.60	10.00
6483	Hen Food, Ekland Roller Mills, Ekland, Pa.	Wellsboro, Equity Co-operative Exchange.	283	12.59	11.19	-----
7209	Neverfail Egg Producer, Blended Chicken Feed, Empire Grain and Elevator Co., Binghamton, N. Y.	Montrose, J. C. Harrington.	1009	11.74	10.31	8.75
6446	Scratch Feed, Emporium Milling Co., Emporium, Pa.	Emporium, Emporium Milling Co.	246	10.65	12.88	-----
7151	Chick Feed, Enterprise Milling Co., Oil City, Pa.	Oil City, Enterprise Milling Co.	951	10.30	11.69	-----
6720	John W. Eshelman's Chick Feed, John W. Eshelman, Lancaster, Pa.	Chambersburg, Diehl, Omwake & Diehl.	520	11.61	11.31	7-9
6203	John W. Eshelman's Chick Feed, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	3	11.87	10.69	7-9
6987	John W. Eshelman's Chick Feed, John W. Eshelman, Lancaster, Pa.	Bedford, H. H. Lysinger.	787	11.71	10.81	7.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.03	Per ct. 2.50	Per ct. 2.45	Per ct. 5.00	\$2 25	Wheat, cracked corn, Kaffir corn, barley, oats, sunflower seed, buckwheat, and not over 1 per cent. charcoal.	Wheat, cracked corn, Kaffir corn, barley, oats, buckwheat and charcoal.	6361
3.17	-----	2.70	-----	2 25			
3.20	2.50	2.72	5.00	2 25	Wheat, cracked corn, Kaffir corn, barley, oats, sunflower seed, buckwheat and not over 3 per cent. grit, 3 per cent. shell and 1 per cent. charcoal.	As certified, -----	7577
2.78	2.50	3.40	5.00	2 50	Wheat, cracked corn, hemp seed, peas, Kaffir corn, millet seed, buckwheat and not over 1 per cent. charcoal.	Cracked corn, Kaffir corn, wheat, peas, hempseed, millet seed, buckwheat, charcoal and weed seeds.	6362
3.20	-----	3.70	-----	1 80		Corn, oats, wheat, buckwheat, Kaffir corn and sunflower seed.	6483
3.65	3.75	2.37	4.25	2 10	Wheat, corn, barley, oats, Kaffir corn, buckwheat and milo maize.	As certified, -----	7209
3.08	-----	3.27	-----	1 85	Cracked corn, buckwheat, wheat, oats, and Kaffir corn.	As certified, -----	6446
2.60	-----	2.52	-----	2 50	Cracked corn, cracked Kaffir corn, cracked wheat, millet seed, oyster shells and grit.	As certified, -----	7151
4.12	3-5	3.45	2-3	2 25	Cracked wheat, cracked corn, hulled oats, flaxseed, Kaffir corn, millet, broken cereal plant, separated from wheat, rice, and hominy and no grit or shells.	Corn, hulled oats, wheat, Kaffir corn, millet, flaxseed and small amount of weed seeds.	6720
4.08	3-5	2.80	2-3	36 00	Cracked wheat, cracked corn, hulled oats, flaxseed, Kaffir corn, millet, broken cereal plant, separated from wheat, rice, and hominy and no grit or shells.	Corn, oats, wheat, Kaffir corn and millet	6203
4.40	3.00	3.10	3.00	3 00	Cracked wheat, cracked corn, hulled oats, flaxseed, Kaffir corn, millet, cooked and baked wheat feed, rice, hominy and no grit or shell.	Cracked corn, cracked wheat, hulled oats, flaxseeds, Kaffir corn, millet, baked wheat, rice, hominy and small amount of bindweed.	6987

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
6753	John W. Eshelman's Chick Feed, John W. Eshelman, Lancaster, Pa.	Millerstown, I. B. Seerist,	553	Per ct. 11.96	Per ct. 11.75	Per ct. 7-9
		Average, -----		11.78	11.14	-----
7525	John W. Eshelman's Hen Feed, John W. Eshelman, Lancaster, Pa.	Littlestown, D. E. Buckey & Son.	1325	11.86	9.75	7.00
6721	John W. Eshelman's Hen Feed, John W. Eshelman, Lancaster, Pa.	Chambersburg, Diehl, Omwake & Diehl.	521	12.43	12.00	7-9
6202	John W. Eshelman's Hen Feed, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	2	12.10	12.13	7-9
6204	John W. Eshelman's Pigeon Feed, John W. Eshelman, Lancaster, Pa.	Average, ----- Lancaster, John W. Eshelman.	4	12.13 12.18	11.29 11.81	----- 8-9
6206	John W. Eshelman's Poultry Mash, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	6	9.84	18.63	18-20
6208	John W. Eshelman's Pullet Chick Feed, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	8	11.76	10.25	7-9
6595	Excelsior Hen Food, Gamble, Gheen & Co., Bellefonte, Pa.	Antes Fort, Gheen, Spigelmeyer & Phleger.	395	11.65	11.31	-----
7090	Growing Quality, The Gates Elevator Co., Cleveland, Ohio.	New Castle, Fisher & Mengle.	890	10.11	10.69	11.50
7206	Blue Ribbon Laying Mash, Globe Elevator Co., Buffalo, N. Y.	Seranton, Lackawanna Elevator Co.	1000	8.83	16.44	15-17

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.55	Per ct. 3-5	Per ct. 3.00	Per ct. 2-3	\$2 25	Cracked wheat, cracked corn, hulled oats, flaxseed, Kaffir corn, millet, broken grains of cereal plants, separated from wheat, rice, and hominy and no grit or shells.	Cracked corn, cracked wheat, hulled oats, flaxseed, Kaffir corn, millet, wheat, rice, hominy and small amount of weed seeds.	6753
4.29	-----	3.08	-----	2 33			
3.00	2.00	2.35	7.00	2 25	Cracked corn, buckwheat, sunflower seed, barley, Kaffir corn, poultry bone, flaxseed millet, wheat and mixed broken grains of cereal plant separated from wheat.	Cracked corn, buckwheat, sunflower seed, barley, wheat, Kaffir corn, flaxseed, millet, poultry bone and charcoal.	7525
4.20	2-5	2.75	5-7	2 00	Cracked corn, buckwheat, sunflower seed, broken cereal plant, separated from wheat, Kaffir corn, poultry bone, flaxseed, millet and no grit or shells.	Cracked corn, buckwheat, sunflower seed, wheat, Kaffir corn, flaxseed and millet.	6721
4.05	2-5	3.10	5-7	35 00	Cracked corn, buckwheat, sunflower seed, broken cereal plant, separated from wheat, Kaffir corn, poultry bone, flaxseed, millet and no grit or shells.	Corn, oats, wheat, barley, buckwheat and sunflower seed.	6202
3.75	-----	2.73	-----	3 00	Peas, millet, cracked corn, wheat, barley, huckwheat, granulated bone, flaxseed and 2 per cent. grit and shell.	As certified, -----	6204
3.28	2-3	2.93	3-4	38 00			
5.00	5-8	6.82	6-8	36 00	Gluten feed, cottonseed meal, oil cake meal, alfalfa meal, middlings and wheat bran, wheat feed, corn chop, and beef scraps.	As certified, -----	6206
3.13	3-5	1.90	2-3	36 00	Cracked wheat, cracked corn, hulled oats, flaxseed, cracked Kaffir corn, millet, broken cereal plants, separated from wheat, rice, and hominy and no grit or shells.	Corn, hulled oats, wheat, Kaffir corn, rice, millet, flaxseed and hominy.	6208
3.00	-----	3.90	-----	*.25	Wheat, cracked corn, screenings, buckwheat, barley and Kaffir corn.	Cracked corn, wheat, huckwheat, barley, Kaffir corn, and screenings containing small amount of weed seeds.	6595
3.45	4.00	1.97	4.00	2 50	Cracked corn, cracked wheat, oat meal and millet meal.	Cracked corn, cracked wheat, millet seed and small amount of oats.	7090
4.45	4-5	7.55	9-10	2 00	Wheat bran, wheat middlings, wheat flour, rolled oats, corn meal, gluten meal, oil meal, alfalfa meal, and beef scrap.	As certified, -----	7290

*For small sack.

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
7199	Blue Ribbon Little Chick Food, Globe Elevator Co., Buffalo, N. Y.	Seranton, Lackawanna Elevator Co.	999	10.68	11.81	-----
7198	Regular Scratching Feed, Globe Elevator Co., Buffalo, N. Y.	Seranton, Lackawanna Elevator Co.	998	11.05	10.75	-----
7355	Chick Feed, A. C. Godshall & Co., Lansdale, Pa.	Lansdale, A. C. Godshall & Co.	1155	10.33	10.94	10.91
6425	Hen Food, Haney-Frazier Milling Co., Danville, Pa.	Danville, Haney-Frazier Milling Co.	225	10.08	11.00	8-10.5
7212	Hardings Baby Chick Food, George L. Harding, Binghamton, N. Y.	Montrose, Brown & Fassett,	1012	10.96	12.63	16-12
7210	Harding's Granulated Milk for Poultry, George L. Harding, Binghamton, N. Y.	Montrose, Brown & Fassett,	1010	7.04	40.25	40-50
6770	Harvey's Chick Food, Harvey Seed Co., Buffalo, N. Y.	Lewistown, G. M. White,--	570	12.05	12.75	-----
7274	Mixed Grain, H. E. Hawk's Son, Easton, Pa.	Easton, H. E. Hawk's Son,	1074	10.76	9.50	13.31
7275	Poultry Food, H. E. Hawk's Son, Easton, Pa.	Easton, H. E. Hawk's Son,	1075	9.40	13.19	9.99
6601	(Scratch Feed), Hen Food, J. M. Hayes & Co., Montoursville, Pa.	Williamsport, Gohl & King,	401	11.93	11.38	-----
7362	Algrane Scratching Feed, The H-O. Co., Buffalo, N. Y.	Philadelphia, George Egolf & Co.	1162	11.68	11.06	11.00
6653	Hornby's Scratching Grains, J. H. Hornby & Sons, New Brighton, Pa.	New Brighton, J. H. Hornby & Sons.	453	11.60	10.69	10.00
7065	Imperial Chicken Feed, Huntingdon Milling Co., Huntingdon, Pa.	Huntingdon, Huntingdon Milling Co.	865	11.10	11.00	-----
7066	Imperial Chick Feed, Huntingdon Milling Co., Huntingdon, Pa.	Huntingdon, Huntingdon Milling Co.	866	11.57	10.50	-----

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.30	Per ct.	Per ct. 2.32	Per ct.	\$2 25	Corn, wheat, millet, peas, Kaffir corn, and cracked rice.	As certified, -----	7199
3.00	-----	3.92	-----	1.90	-----	Corn, oats, wheat, buckwheat, barley and Kaffir corn.	7198
3.25	3.03	2.80	2.29	2 50	Cracked corn, spring wheat screenings, Kaffir corn, millet, charcoal, oyster shell and grit.	Cracked corn, Kaffir corn, millet, charcoal, oyster shell, grit and wheat screenings containing large amount of weed seeds.	7355
3.13	2.25-3	4.07	8-10.5	1 70	Cracked corn, wheat, Kaffir corn, buckwheat, sunflower seed, barley, stone grits, charcoal, hen-e-ta bone grits, wheat screenings and oats.	Cracked corn, oats, wheat, Kaffir corn, buckwheat, sunflower seed, barley, stone grits, charcoal, hen-e-ta bone grits, wheat screenings and small amount of weed seeds.	6425
3.50	3-5	3.20	1-2	3 50	Corn, wheat, Kaffir corn, hulled oats, millet and granulated milk.	Corn, wheat, Kaffir corn, hulled oats, millet, granulated milk charcoal and large amount of weed seed.	7212
12.85	7-10	0.42	-----	3 50	-----	Granulated milk, -----	7210
3.99	-----	4 00	-----	2 50	-----	Cracked corn, oats, wheat, Kaffir corn, millet, flaxseed, chaff and a large amount of weed seeds.	6770
2.97	4.96	3.25	7.77	2 00	Wheat, buckwheat, cracked corn, oats and grit.	As certified, -----	7274
4.00	2.83	5.70	3.95	2 00	Bran, corn chop, middlings, alfalfa, oil meal, oyster shells and gluten feed.	As certified, -----	7275
3.00	-----	3.05	-----	2 00	-----	Corn, oats, wheat, barley, buckwheat, Kaffir corn, sunflower seed and small amount of weed seeds.	6001
3.50	3.50	2.62	9.00	38 00	Wheat, oats, Kaffir corn, buckwheat, mixed broken grains, cracked corn, milo maize sunflower seed and hulled oats.	As certified, -----	7362
3.65	2.50	2.20	5.00	1 80	Wheat, barley, Kaffir corn, buckwheat, corn and sunflower seeds with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	Wheat, Kaffir corn, buckwheat, corn, sunflower seed and charcoal.	6653
4.55	-----	4.85	-----	2 50	Corn, wheat, oats, buckwheat, millet, sunflower seed, and Kaffir corn.	As certified, -----	7065
3.60	-----	2.72	-----	2.50	Corn, wheat, millet and Kaffir corn.	As certified, -----	7066

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.		
					Found.	Guaranteed.	
6585	Husted Competition Scratch Feed, Husted Milling Co., Buffalo, N. Y.	Troy, Snedeker & Mitchell,	385	Per ct. 13.63	Per ct. 10.50	Per ct. 10.00	
6582	Husted Laying Mash, Husted Milling Co., Buffalo, N. Y.	Troy, Snedeker & Mitchell,	382	11.41	17.25	15-17	
7.87	Husted Scratch Feed, Husted Milling Co., Buffalo, N. Y.	Doylestown, M. E. Yost, --	1180	10.82	11.88	10-12	
7063	Poultry Food, Sidney T. Isett, Spruce Creek, Pa.	Spruce Creek, Sidney T. Isett.	863	11.08	11.13	10-11	
6528	Purity Poultry Mash, Jamestown Electric Mills, Jamestown, N. Y.	Warren, T. N. Dunham,--	328	8.64	12.75	13.00	
7157	Mixed Grain Chicken Feed, Kerr Hill Mill Co., Ltd., Titusville, Pa.	Titusville, Kerr Hill Mill Co., Ltd.	957	11.07	10.56	-----	
7558	John-Hen Meat Mash, Keystone Commercial Co., Pittsburg, Pa.	McKeesport, Keystone Commercial Co.	1258	8.35	11.88	12.50	
6641	John-Hen Poultry Feed, Keystone Commercial Co., Pittsburg, Pa.	Beaver Falls, John G. Allen,	441	12.19	10.94	10.00	
7561	John-Hen Poultry Feed, Keystone Commercial Co., Pittsburg, Pa.	McKeesport, Keystone Commercial Co.	1361	10.50	10.38	10.00	
6419	Star Mash Feed, Kift Milling Co., Sunbury, Pa.	Average, ----- Sunbury, Kift Milling Co.,	219	11.34 8.54	10.66 22.31	----- 18.00	
6667	A No. 1, Chick Grains, H. J. Klingler & Co., Butler, Pa.	Butler, H. J. Klingler & Co.	467	11.58	10.44	-----	
6662	A No. 1 Poultry Grains, H. J. Klingler & Co., Butler, Pa.	Butler, H. J. Klingler & Co.	462	11.75	11.19	-----	
7256	Ideal Hen Feed, H. B. Kratz & Co., Schwenksville, Pa.	Allentown, H. F. Gruver,	10.56	11.94	10.00	10-11	
6968	Langdon's Poultry Mash, H. H. Langdon, Altoona, Pa.	Altoona, H. H. Langdon,--	768	9.48	18.38	17-19	
6669	Langdon's Scratch Grains, H. H. Langdon, Altoona, Pa.	Altoona, H. H. Langdon,--	769	11.09	12.75	11.00	

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 2.68	Per ct. 2.00	Per ct. 2.87	Per ct. 6.00	\$2 00	Cracked corn, whole wheat, whole barley, Kafir corn and buckwheat.	Cracked corn, whole wheat, Kafir corn and buckwheat.	6585
4.65	3-4	4.62	6-8	1 75	Bran, middlings, corn, rolled oats, and cottonseed meal.	As certified, -----	6582
3.25	3-5	3.00	4-5	2 10	Cracked corn, whole wheat, whole barley, Kafir corn, split peas, buckwheat and sunflower seed.	As certified, -----	7380
3.65	3-4	2.70	4-6	2 00	Wheat, cracked corn, oats and barley	As certified, -----	7063
3.00	3.00	4.12	2.00	2 25	Corn meal, gluten meal, wheat middlings, bran, oil meal and hen-e-ta bone grits.	As certified, -----	6528
3.85	-----	2.70	-----	2 00	Corn, wheat, buckwheat and Kafir corn.	Corn, wheat, buckwheat, Kafir corn and trace of oats and barley.	7157
4.29	4.50	4.80	5.00	36 00	Beef scraps, oil meal, alfalfa meal, corn meal, Kafir corn meal, bran, middlings, grit and oyster shells.	Beef scraps, oil meal, alfalfa meal, corn meal, Kafir corn meal, bran, middlings, grit, oyster shells and small amount of weed seeds.	7558
3.20	3-5	2.70	2.00	1 90	Wheat, cracked corn, buckwheat, barley, Kafir corn, oats, sunflower seed and charcoal.	As certified, -----	6641
3.20	2.50	2.65	2.00	35 00	Wheat, buckwheat, barley, Kafir corn, oats, sunflower seed, charcoal, cracked corn.	As certified, -----	7561
3.20	-----	2.67	-----	36 50	Corn meal, wheat middlings, oats chop, gluten feed, wheat bran, linseed meal, alfalfa meal, and meat scraps.	As certified, -----	6419
5.25	4.00	6.10	8.00	2.25			
2.88	-----	4.10	-----	2 00	Pure cracked grains and millet seed. No grit or screenings.	Corn, Kafir corn and millet seed, -----	6667
3.40	-----	2.42	-----	1 85	Pure grains, cracked corn, and sunflower seed.	Corn, oats, wheat, buckwheat, Kafir corn and sunflower seed.	6662
3.40	2-3	2.50	3-4	1 20	Cracked corn, wheat, barley, buckwheat, Kafir corn, oats and sunflower seed.	As certified, -----	7256
4.75	5-6	7.05	7-8	2 25	Wheat bran, red dog, corn meal, alfalfa meal, oil meal, beef scraps and $\frac{1}{2}$ of 1 per cent salt.	Corn meal, wheat bran, red dog flour alfalfa meal, oil meal, beef scraps, salt and trace of oats.	6968
4.70	3.00	3.80	4.00	2 25	Cracked corn, wheat, buckwheat, barley, oats, Kafir corn, sunflower seed and peas.	As certified, -----	6969

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6243	L. & S. Hen Feed, Levan & Sons, Columbia, Pa.	Lancaster, Levan & Sons,--	43	Per ct. 10.20	Per ct. 11.06	Per ct. 6-8
6244	L. & S. Poultry Mash, Levan & Sons, Columbia, Pa.	Lancaster, Levan & Sons,--	44	7.90	16.06	14-15
7043	Chick Feed, R. S. McCague, Pittsburg, Pa.	Uniontown, Hoggsett & Hankins	843	11.64	9.75	-----
7127	Diamond Chick Feed, R. S. McCague, Pittsburg, Pa.	Brookville, Klines Sifter Mills.	927	11.95	9.50	10.50
6820	Diamond Scratch Feed, Grit, R. S. McCague, Pittsburg, Pa.	Ford City, J. E. Walker, --	620	11.41	9.81	10.00
7042	Diamond Scratch Feed, No Grit, R. S. McCague, Pa.	Uniontown, Hoggsett & Hankins.	842	11.61	11.19	19.50
7126	Diamond Scratch Feed, No Grit, R. S. McCague, Pa.	Brookville, Klines Sifter Mills.	926	12.06	11.00	10.50
6819	Diamond Scratch Feed, No Grit, R. S. McCague, Pa.	Ford City, J. E. Walker,	619	12.32	10.63	10.50
		Average, -----		11.99	10.94	-----
6955	Martin's Chick Feed, Martin & Co., Altoona, Pa.	Altoona, Martin & Co., --	755	10.55	11.88	12.00
6954	Martin's Chicken Feed, Martin & Co., Altoona, Pa.	Altoona, Martin & Co., ----	754	11.16	11.88	12.75
6956	Martin's Poultry Mash, Martin & Co., Altoona, Pa.	Altoona, Martin & Co., ----	756	9.39	24.00	25.00
6905	Best Mixed Grain for Chickens, C. P. Matthews & Sons, Inc., Scranton, Pa.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	705	11.00	9.94	8-9
7183	Best Mixed Grain for Chickens, C. P. Matthews & Sons, Inc., Scranton, Pa.	Scranton, C. P. Matthews & Sons, Inc.	983	10.71	10.63	8-9
		Average, -----		10.85	10.29	-----

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.08	Per ct. 2-3	Per ct. 3.35	Per ct. 5-6	\$1 85	Buckwheat, Kaffir corn, barley, sunflower seed, oats, cracked corn and 5 per cent. grit and shell.	As certified, -----	6243
5.05	3-4	8.50	7-8	1 90	Corn meal, oat meal, wheat bran, wheat middlings, alfalfa meal, old process linseed meal, beef scrap, and 5 per cent. ground shell.	As certified, -----	6244
4.20	-----	2.82	-----	2 50	-----	Cracked corn and millet.	7043
4.05	5.00	2.37	4.00	2 40	-----	Corn and oats, -----	7127
3.30	3.00	2.27	3.50	2 00	Corn, wheat, barley, buckwheat, grit, sunflower seed, wheat screenings, Kaffir corn.	Corn, oats, wheat, barley, buckwheat, sunflower seed, Kaffir corn, wheat screenings and grit.	6820
3.55	3.50	2.87	4.00	2 00	-----	Corn, oats, wheat, barley, buckwheat, Kaffir corn, and sunflower seed.	7042
3.10	3.50	2.53	4.00	2 20	-----	Corn, oats, barley, wheat, buckwheat and Kaffir corn.	7126
3.70	3.50	2.70	4.00	2 05	No grit, -----	Corn, oats, barley, wheat, buckwheat, Kaffir corn and sunflower seed.	6819
3.45	-----	2.70	-----	2 08	-----	-----	-----
3.28	3.00	2.00	2.00	3 75	Cracked corn, German millet, oat meal, cracked peas, cracked Kaffir corn, cracked wheat, and cracked rice.	As certified, -----	6955
3.00	2.90	3.70	3.09	2 50	Cracked corn, wheat, buckwheat, Kaffir corn, sunflower seed, oats, barley and peas.	As certified, -----	6954
5.00	5.00	5.20	7.00	2 50	Wheat bran, wheat middlings, corn meal, ground oats, gluten feed, meat meal and oil meal.	As certified, -----	6956
3.05	2-3	2.75	4-5	39.00	-----	Corn, oats, barley, wheat, buckwheat, Kaffir corn, peas, sunflower seed and oyster shells.	6905
3.13	2-3	3.12	4-9	1 95	Cracked corn, wheat, buckwheat, Kaffir corn, field peas, sunflower seed, and oyster shells.	Cracked corn, oats, wheat, buckwheat, field peas, sunflower seeds and oyster shells.	7183
3.09	-----	2.93	-----	39.00	-----	-----	-----

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Molture.	Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
7186	Best Poultry Mash, C. P. Matthews & Sons, Inc., Seranton, Pa.	Seranton, C. P. Matthews & Sons, Inc.	986	8.18	18.44	17-20
6906	Chicken Feed, C. P. Matthews & Sons, Inc., Seranton, Pa.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	706	9.35	9.56	-----
7184	Chicken Feed, C. P. Matthews & Sons, Inc., Seranton, Pa.	Seranton, C. P. Matthews & Sons, Inc.	984	9.00	9.31	8-10
		Average, -----		9.17	9.44	-----
7185	Pure Mixed Grains for Fancy Poultry, C. P. Matthews & Sons, Inc., Seranton, Pa.	Seranton, C. P. Matthews & Sons, Inc.	985	10.77	11.00	-----
6911	Mixed Chicken Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	711	10.35	9.31	8-9
7178	Mixed Chicken Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Seranton, Miner-Hillard Milling Co.	978	10.70	9.38	8-9
		Average, -----		10.52	9.35	-----
6912	Purity Poultry Mash, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	712	8.87	14.75	15-17
7176	Purity Poultry Mash, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Seranton, Miner-Hillard Milling Co.	976	10.07	12.75	15-17
		Average, -----		9.47	13.75	-----
7096	Pure All Grain Economy Scratching Grains, Nickel Plate Elevator Co., Cleveland, Ohio.	Mahoningtown, Mahoningtown Supply Co.	896	10.85	11.19	10.75
7225	Poultry Food, H. E. Oberts, Dushore, Pa.	Dushore, H. E. Oberts, -----	1025	11.43	10.50	-----
6568	Dry Mash, The Park & Pollard Co., Boston, Mass.	Williamsport, F. W. Dawson & Son.	38	10.55	18.25	20-23
7046	Dry Mash, The Park & Pollard Co., Boston, Mass.	Uniontown, King Bros.,-----	846	8.82	21.44	20.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 6.15	Per ct. 3-4	Per ct. 11.55	Per ct. 10-12	\$2 20	-----	Corn meal, gluten feed, wheat bran, wheat middlings, linseed meal and ground alfalfa.	7186
3.60	-----	3.60	-----	37 00	Kaffir corn, peas, sunflower seed, oats, wheat, corn, buckwheat, oyster shells and grit.	As certified, -----	6906
3.85	2-3	3.55	3-4	1 85	Kaffir, peas, sunflower seed, oats, wheat, corn, buckwheat, oyster shells, wheat screenings and grit.	Corn, oats, wheat, buckwheat, peas, sunflower seed, wheat screenings, oyster shells and grit.	7184
3.73	-----	3.57	-----	37.00			
5.00	-----	4.90	-----	2 20	-----	Corn, oats, wheat, buckwheat, Kaffir corn, sunflower seed and small amount of chaff.	7185
3.55	2-3	3.00	4-5	1 95	Kaffir corn, buckwheat, oyster shells, wheat, cracked corn, grit, peas, barley and sunflower seed.	As certified, -----	6911
2.98	2-3	3.15	4-5	38 00	Kaffir corn, buckwheat, wheat, cracked corn, grit, peas, sunflower seeds and barley.	As certified, -----	7178
3.27	-----	3.07	-----	38.50			
5.00	5-7	8.05	8-10	2 20	Green peas, alfalfa meal, wheat middlings, buckwheat middlings, wheat bran, ground oats and hominy feed.	As certified, -----	6912
4.91	5-7	7.00	8-10	45.00	Green peas, alfalfa meal, wheat middlings, wheat bran, ground oats and hominy feed.	As certified, -----	7176
4.96	-----	7.52	-----	44.50			
3.35	3.15	2.75	5.00	2 10	Wheat, Kaffir corn, cracked corn, buckwheat and sunflower seed.	As certified, -----	7096
3.45	-----	3.45	-----	2 00	Wheat, barley, cracked corn, buckwheat and Kaffir corn.	Wheat, barley, cracked corn, buckwheat, Kaffir corn and small amount of oats.	7225
4.35	3.00	9.45	-----	2 50	Corn, wheat, oats, barley, bran, middlings, meat meal, fish, alfalfa and salt.	As certified, -----	6568
5.05	3.00	9.21	10.00	50 00	Bran, middlings, corn, wheat, barley, alfalfa, fish, meat, bone and salt.	Wheat bran, wheat middlings, corn, wheat, barley, alfalfa, fish, meat, bone, salt and trace of weed seeds.	7046

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.		
					Found.	Guaranteed.	
6353	Dry Mash, The Park & Pollard Co., Boston, Mass.	Hanover, C. E. Miller, ----	153	Per et. 7.65	Per et. 20.06	Per et. 20.00	
7108	Dry Mash, The Park & Pollard Co., Boston, Mass.	Sharon, J. M. Porter, ----	908	9.59	20.56	20.00	
6319	Dry Mash, The Park & Pollard Co., Boston, Mass.	York, F. Z. Stauffer, ----	119	8.15	20.44	20.00	
6852	Dry Mash, The Park & Pollard Co., Boston, Mass.	Indiana, St. Clair, Rinn & Co.	652	8.94	17.25	20-23	
6529	Dry Mash, The Park & Pollard Co., Boston, Mass.	Kane, J. A. Stoll & Co.,	329	10.39	21.06	20.00	
6758	Dry Mash, The Park & Pollard Co., Boston, Mass.	Lewistown, Spanogle-Yeager Milling Co.	558	9.24	20.25	20-23	
6293	Dry Mash, The Park & Pollard Co., Boston, Mass.	Johnstown, John Thomas & Son.	93	8.13	17.56	20.00	
6438	Dry Mash, The Park & Pollard Co., Boston, Mass.	Lock Haven, E. E. Wentz,	238	8.31	17.25	20.00	
7598	Dry Mash, The Park & Pollard Co., Boston, Mass.	Wilkinsburg, Wilkinsburg Milling Co.	1398	10.65	18.44	18.00	
		Average, -----		9.12	19.32	-----	
6322	Gritless Chick Feed, The Park & Pollard Co., Boston Mass.	York, F. Z. Stauffer, ----	122	10.32	16.50	10-13	
6437	Gritless Chick Feed, The Park & Pollard Co., Boston, Mass.	Lock Haven, E. E. Wentz,	237	10.86	14.19	10-13	
		Average, -----		10.59	15.35	-----	
6760	Growing Feed, The Park & Pollard Co., Boston, Mass.	Lewistown, Spangler-Yeager Milling Co.	560	9.40	15.25	16.00	
6439	Growing Feed, The Park & Pollard Co., Boston, Mass.	Lock Haven, E. E. Wentz, Milling Co.	239	8.58	14.94	10.00	
		Average, -----		8.99	15.10	-----	

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.68	Per te. 3.00	Per ct. 9.02	Per ct. 10.00	\$2 50	Bran, middlings, corn, wheat, barley, alfalfa, fish, meat, bone and salt.	As certified, -----	6353
3.35	3.00	4.25	10.00	3.00	Bran, middlings, corn, wheat, barley, Kaffir corn, oats, alfalfa, fish, meat, bone and salt.	As certified, -----	7108
4.88	3.00	8.75	10.00	2 40	Bran, middlings, corn, wheat, barley, alfalfa, fish, meat, bone and salt.	As certified, -----	6319
5.20	3.00	9.65	-----	2 50	-----	Corn, oats, barley, wheat bran, wheat middlings, alfalfa fish, meat, bone and salt.	6852
3.38	3.00	6.00	10.00	2 50	Bran, middlings, corn, wheat, barley, alfalfa, fish, meat, bone and salt.	As certified, -----	6529
4.83	3.00	8.10	-----	3 20	Corn, wheat, oats, barley, bran, middlings, meat meal, fish, alfalfa and salt—not artificially colored.	As certified, -----	6758
5.08	3.00	8.85	10.00	2 50	Bran, middlings, corn, wheat, barley, alfalfa, fish, meat, bone and salt.	As certified, -----	6293
4.75	3.00	10.30	10.00	2 50	Bran, middlings, corn, wheat, barley, alfalfa, fish, meat, bone and salt.	As certified, -----	6438
3.65	3.50	5.75	12.00	2 40	Wheat bran, wheat middlings, corn, wheat, oats, barley, Kaffir corn, buckwheat, alfalfa, fish, meat, bone, beet pulp and salt.	Wheat bran, wheat middlings, corn, wheat, oats, barley Kaffir corn, buckwheat, alfalfa, fish, meat, bone and salt.	7598
4.47	-----	8.12	-----	2 59	-----	-----	-----
4.00	2.77	3.12	-----	2.50	-----	Corn, wheat, Kaffir corn, millet, canary seed, shredded fish and small amount of weed seeds.	6322
4.50	2.77	2.20	5.00	2 75	Cracked corn, wheat, rice, millet, canary seed and shredded fish.	Cracked corn, wheat, rice, millet, canary seed, shredded fish and weed seeds.	6437
4.25	-----	2.66	-----	2 63	-----	-----	-----
4.86	3.50	6.95	5.00	3 20	Bran, middlings, corn, wheat, barley, alfalfa, fish, meat, bone and salt.	As certified, -----	6700
3.50	3.50	7.50	5.00	2 50	Bran, middlings, corn, wheat, barley, alfalfa, fish, meat, bone and salt.	As certified, -----	6439
4.18	-----	7.22	-----	2 85	-----	-----	-----

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
6759	Scratch Feed, The Park & Pollard Co., Boston, Mass.	Lewistown, Spangler-Yeager Milling Co.	559	11.53	11.56	10-12
6320	Scratch Feed, The Park & Pollard Co., Boston, Mass.	York, F. Z. Stauffer, -----	129	11.13	11.13	10-12
6292	Scratch Feed, The Park & Pollard Co., Boston, Mass.	Johnstown, John Thomas & Sons.	92	1.43	11.69	10-12
		Average, -----		11.36	11.46	-----
7599	Screened Scratch Feed, The Park & Pollard Co., Boston, Mass.	Wilkinsburg, Wilkinsburg Milling Co.	1399	12.89	10.53	10.00
7033	Chick Feed, F. V. Perry, Scottsdale, Pa.	Scottsdale, F. V. Perry, --	833	11.66	11.06	-----
6212	Mash Feed, Fred Pontz, Lancaster, Pa.	Lancaster, Fred Pontz, ---	12	9.32	24.28	9.00
6213	Hen Feed, Fred Pontz, Lancaster, Pa.	Lancaster, Fred Pontz, --	13	13.51	10.31	8-9
6211	Chick Food, Fred Pontz, Lancaster, Pa.	Lancaster, Fred Pontz, ---	11	12.17	10.88	8-9
6998	Eggo Dry Mash, Pinkerton Bros. & Co., Bellevue, Pa.	Washington, Henry O. Myers.	798	6.65	26.47	-----
7032	Eureka Scratching Grains, F. V. Perry, Scottsdale, Pa.	Scottsdale, F. V. Perry, --	832	11.51	11.63	11.00
7020	Pritts' Dry Mash, J. E. Pritts, Scottsdale, Pa.	Scottsdale, J. E. Pritts, --	829	9.46	23.00	22-26
6883	American Poultry Feed, The Quaker Oats Co., Chicago, Ill.	Vandergrift, Claypool & Claypool.	683	9.60	12.69	12.00
7001	American Poultry Feed, The Quaker Oats Co., Chicago, Ill.	Washington, Henry O. Myers.	801	9.32	13.63	12.00
		Average, -----		9.46	13.16	-----

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.52	Per ct. 3.50	Per ct. 3.12	Per ct. 5.00	\$3 00	Cracked corn, wheat, buckwheat, barley, oats, sunflower and other seed.	Cracked corn, oats, barley, wheat, buckwheat, Kaffir corn, sunflower seed and small amount of weed seeds.	6759
3.85	3.50	3.32	5.00	2 00	Cracked corn, wheat, buckwheat, barley, oats, charcoal and sunflower seed.	Cracked corn, oats, wheat, barley, buckwheat, sunflower seed, charcoal and small amount of weed seeds.	6820
3.75	3.50	3.35	5.00	2 00	Cracked corn, wheat, buckwheat, barley, oats, sunflower and other seed.	Cracked corn, oats, barley, wheat, buckwheat, flaxseed, Kaffir corn, sunflower seed and considerable proportion of weed seed.	6292
3.71	-----	3.26	-----	2 33			
3.50	3.50	3.55	5.00	2 00	Cracked corn, wheat, buckwheat, barley, oats, Kaffir corn, milo and sunflower seed.	As certified, -----	7599
3.90	-----	3.75	-----	2 50	Cracked corn, cracked wheat, cracked Kaffir corn and millet seed.	As certified, -----	7033
6.68	4.00	7.80	9.00	2 00	Wheat bran, middlings, oil meal, alfalfa, meat scraps and corn chop.	As certified, -----	6212
3.68	3-4	2.85	4-5	1 85	Cracked corn, wheat, wheat screenings, buckwheat, millet, sunflower seed and Kaffir corn.	Cracked corn, wheat, wheat screenings, buckwheat, millet, sunflower seed, Kaffir corn and small amount corn cockle.	6213
5.80	3-4	3.65	4-5	1 85	Cracked corn, hulled oats, millet, wheat, wheat screenings, Kaffir corn, and broken rice.	Cracked corn, hulled oats, millet, wheat, wheat screenings, Kaffir corn, broken rice and small amount of weed seeds.	6211
6.63	-----	7.40	-----	2 25		Wheat bran, wheat middlings, corn chop, gluten feed, linseed oil meal, beef meal and alfalfa meal.	6998
3.55	4.00	3.00	3.00	2 33	Made from pure and sweet cracked corn, Kaffir corn, wheat, oats, buckwheat and sunflower seed.	As certified, -----	7032
5.50	5-7	6.50	9.00	2 75	Beef scraps, cottonseed meal, corn, wheat, oats, charcoal, oil meal, wheat bran, and wheat middlings.	As certified, -----	7029
4.85	3.50	5.75	9.00	2 00	Corn, barley, cottonseed meal and wheat bran.	Corn, barley, cottonseed meal, wheat bran and small amount of oat hulls.	6883
5.40	3.50	4.60	9.00	2 00	Corn, barley, cottonseed meal and wheat bran.	As certified, -----	7001
5.13	-----	5.17	-----	2 00			

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6796	Blue Ribbon Chick Feed, The Quaker Oats Co., Chicago, Ill.	West Grove, S. K. Chambers & Bro.	596	Per ct. 11.72	Per ct. 12.13	Per ct. 10.00
6646	Daisy Hen Feed, The Quaker Oats Co., Chicago, Ill.	Beaver Falls, Doods & Garrett.	446	11.90	11.44	10.00
6863	Mother's Chick Feed, The Quaker Oats Co., Chicago, Ill.	St. Marys, Hall, Kaul & Hyde Co.	663	12.26	11.69	10.50
6802	Mother's Chick Feed, The Quaker Oats Co., Chicago, Ill.	Leechburg, Leechburg Flouring mills.	662	11.32	11.88	10.50
6654	Mother's Chick Feed, The Quaker Oats Co., Chicago, Ill.	West Bridgewater, W. W. McCullough.	454	10.84	12.25	10.50
		Average, -----		11.47	11.94	-----
6864	Mother's Hen Feed, The Quaker Oats Co., Chicago, Ill.	St. Marys Hall, Kaul & Hyde Co.	664	11.79	11.81	11.00
6800	Mother's Hen Feed, The Quaker Oats Co., Chicago, Ill.	Leechburg, Leechburg Flouring Mills	600	11.25	12.81	11.00
6655	Mother's Hen Feed, The Quaker Oats Co., Chicago, Ill.	West Bridgewater, W. W. McCullough.	455	11.12	12.28	11.00
7016	Mother's Hen Feed, The Quaker Oats Co., Chicago, Ill.	Houston, W. M. Templeton,	816	10.96	12.13	11.00
		Average, -----		11.28	12.28	-----
7080	Quaker Chick Feed, The Quaker Oats Co., Chicago, Ill.	Somerset, Saylor & Woy,--	880	10.14	12.06	10.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.30	Per ct. 2.50	Per ct. 2.65	Per ct. 5.00	\$ *.25	Corn, millet, Kaffir corn, wheat with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	Corn, hulled oats, wheat, millet, Kaffir corn, and charcoal.	6796
4.43	2.50	2.35	5.00	2 00	Wheat, corn, Kaffir corn, buckwheat, and sunflower seeds with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	6646
3.60	3.00	2.92	2.50	3 00	Oat meal, cracked corn, wheat, millet seed, cracked Kaffir corn and cracked Indian corn, with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	6863
3.70	3.00	2.47	2.50	2 50	Oat meal, cracked wheat, millet seed, cracked Kaffir corn and cracked Indian corn, with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	Oat meal, cracked wheat, hulled oats, millet seed, cracked Kaffir corn, cracked Indian corn and charcoal.	6802
3.70	3.00	2.60	2.50	2 25	Oat meal, cracked wheat, millet seed, cracked Kaffir corn and cracked Indian corn, with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	6654
3.67	-----	2.66	-----	2.58			
4.75	3.50	3.02	2.50	2 50	Kaffir corn, wheat, cracked corn, oil cake, buckwheat, oat groats, and sunflower seed, with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	6864
4.75	3.50	2.50	2.50	2 50	Kaffir corn, wheat, cracked corn, oil cake, buckwheat, oat groats, and sunflower seed, with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	6800
4.20	3.50	2.47	2.50	2 00	Kaffir corn, wheat, cracked corn, oil cake, buckwheat, oat groats, and sunflower seed, with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	6655
4.20	3.50	2.50	2.50	2 20	Kaffir corn, wheat, cracked corn, oil cake, buckwheat, oat groats, and sunflower seed, with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	7016
4.48	-----	2.62	-----	2 30			
3.65	2.50	2.45	5.00	2 75	Corn, millet, Kaffir corn and wheat with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	Corn, hulled oats, wheat, millet, Kaffir corn and charcoal.	7080

*Per package.

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
6801	Schumacher Little Chick Feed, The Quaker Oats Co., Chicago, Ill.	Leechburg, Leechburg Flouring Mills.	601	10.60	11.69	10.00
7568	Schumacher Scratching Grains, The Quaker Oats Co., Chicago, Ill.	McKeesport, A. Davison, --	1368	10.31	12.19	10.00
7581	Schumacher Scratching Grains, The Quaker Oats Co., Chicago, Ill.	Pitcairn, D. F. Salyards,	1381	11.43	11.94	10.00
7077	Schumacher Scratching Grains, The Quaker Oats Co., Chicago, Ill.	Somersct, Saylor & Woy,--	877	10.82	11.56	10.00
6306	Schumacher's Scratching Grains, The Quaker Oats Co., Chicago, Ill.	Windber, Weaver & Burkey,	106	12.50	12.38	10.00
		Average, -----		11.26	12.02	-----
6616	Chicken Feed, Chick Size, Ralston Purina Co., St. Louis, Mo.	Greensburg, D. F. Kilgore & Co.	416	11.56	11.31	11.00
6672	Chicken Feed, Chick Size, Ralston Purina Co., St. Louis, Mo.	Butler, The Leedom & Worral Co.	472	11.93	12.00	11.00
6849	Chicken Feed, Chick Size, Ralston Purina Co., St. Louis, Mo.	Clearfield, Ross & Woods,	649	11.30	10.81	11.00
7011	Chicken Feed, Chick Size, Ralston Purina Co., St. Louis, Mo.	Washington, Adam Zelt & Sons.	811	10.57	11.19	11.00
		Average, -----		11.34	11.33	-----
6334	Chicken Feed, Scratch Size, Ralston Purina Co., St. Louis, Mo.	York, Jacob Eyster, -----	134	9.71	11.94	11.00

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.50	Per ct. 2.50	Per ct. 2.70	Per ct. 5.00	\$2 59	Corn, millet, Kaffir corn and wheat with not to exceed 6 per cent. marble grit and $\frac{1}{2}$ of 1 per cent poultry charcoal.	Corn, bulled oats, wheat, millet, Kaffir corn, marble grit and charcoal.	6801
3.50	2.50	2.85	5.00	2 60	Whole wheat, whole barley, cracked Indian corn, whole Kaffir corn, whole buckwheat, whole sunflower seed, oats and ground charcoal.	As certified, -----	7568
3.50	2.50	2.92	5.00	2 10	Whole wheat, whole barley, cracked Indian corn, whole Kaffir corn, whole buckwheat, whole sunflower seed, whole oats and ground charcoal.	As certified, -----	7581
4.35	2.50	2.55	5.00	2 75	Wheat, barley, Kaffir corn, buckwheat, corn and sunflower seed with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	Wheat, barley, Kaffir corn, buckwheat, corn, sunflower seed charcoal and trace of oats.	7077
3.73	2.50	2.50	5.00	2 10	Wheat, barley, Kaffir corn, oats, buckwheat, corn and sunflower seeds with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	6306
3.77	-----	2.70	-----	2 24			
4.00	3.60	2.65	4.00	2 30	Natural grains, corn, wheat, Kaffir or milo maize, millet and re-cleaned broken wheat grains.	Corn, wheat, Kaffir corn, millet, and considerable proportion of weed seeds.	6616
3.45	3.60	2.70	4.00	2 10	Natural grains, corn, wheat, Kaffir or milo maize, millet and re-cleaned broken wheat grains.	Corn, wheat, Kaffir corn, millet and large amount of weed seeds.	6672
3.50	3.50	2.67	4.00	2 75	Natural grains, corn, wheat, Kaffir or milo maize, millet and re-cleaned broken wheat grains.	Corn, wheat, millet, Kaffir corn, flaxseed, and a large proportion of weed seeds.	6849
3.90	3.60	2.55	4.00	2 50	Natural grains, corn, wheat, Kaffir or milo maize, millet and re-cleaned broken wheat grains.	Corn, wheat, Kaffir or milo maize, millet and large amount of weed seeds.	7011
3.71	-----	2.64	-----	2 41			
3.53	3.60	2.92	4.00	2 25	Natural grains, corn, barley, wheat, Kaffir or milo maize, sunflower and re-cleaned broken grains of cereal plants, separated from wheat, barley and flax screenings.	Corn, oats, barley, wheat, Kaffir corn, sunflower seed and large amount of weed seeds.	6334

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6730	Chicken Feed, Scratch Size, Ralston Purina Co., St. Louis, Mo.	Chambersburg, E. A. Faust & Co.	530	Per ct. 11.35	Per ct. 12.44	Per ct. 11.00
6617	Chicken Feed, Scratch Size, Ralston Purina Co., St. Louis, Mo.	Greensburg, D. F. Kilgore & Co.	417	11.82	10.81	11.00
6671	Chicken Feed, Scratch Size, Ralston Purina Co., St. Louis, Mo.	Butler, The Leedom & Worral Co.	471	10.33	11.06	11.00
7414	Chicken Feed, Scratch Size, Ralston Purina Co., St. Louis, Mo.	Chester, T. Frank McCall,	1214	10.81	11.50	11.00
6860	Chicken Feed, Scratch Size, Ralston Purina Co., St. Louis, Mo.	Ridgway, Smith Bros. Co.,	660	12.73	13.69	11.00
7361	Chicken Feed, Scratch Size, Ralston Purina Co., St. Louis, Mo.	Pottsville, Speacht Bros., --	1101	11.35	11.38	11.00
7010	Chicken Feed, Scratch Size, Ralston Purina Co., St. Louis, Mo.	Washington, Adam Zeldt & Sons.	810	10.19	11.38	11.00
		Average, -----		11.03	11.78	-----
6515	Purina Chicken Chowder Feed, Ralston Purina Mills, St. Louis, Mo.	Smethport, C. Herzog, ---	315	9.14	20.38	16.00
7155	Purina Chicken Chowder Feed, Ralston Purina Mills, St. Louis, Mo.	Titusville, Kerr Hill Mill Co., Ltd.	955	9.88	17.44	16.00
6673	Purina Chicken Chowder Feed, Ralston Purina Mills, St. Louis, Mo.	Butler, The Leedom & Worral Co.	473	10.88	19.19	16.00
7415	Purina Chicken Chowder Feed, Ralston Purina Mills, St. Louis, Mo.	Chester, T. Frank McCall,	1215	8.91	19.19	17.00
7020	Purina Chicken Chowder Feed, Ralston Purina Mills, St. Louis, Mo.	Mt. Pleasant, F. E. Painter,	820	9.98	18.09	17.00
7302	Purina Chicken Chowder Feed, Ralston Purina Mills, St. Louis, Mo.	Pottsville, Speacht Bros.,	1102	9.48	18.94	16.00
		Average, -----		9.71	18.97	-----

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.60	Per ct. 3.60	Per ct. 2.25	Per ct. 4.00	\$2 20	Natural grains, corn, barley, wheat, Kaffir or milo maize, sunflower and re-cleaned broken wheat grains.	Corn, barley, wheat, Kaffir or milo maize, sunflower seed and large amount of weed seeds.	6730
3.98	3.60	2.45	4.00	2 25	Natural grains, corn, barley, wheat, Kaffir or milo maize, sunflower and re-cleaned broken wheat grains.	Corn, barley, wheat, Kaffir or milo maize, sunflower seed and weed seeds.	6617
3.30	3.60	1.75	4.00	1 95	Natural grains, corn, barley, wheat, Kaffir or milo maize, sunflower and re-cleaned broken wheat grains.	Corn, barley, wheat, Kaffir or milo maize, sunflower seed and weed seeds.	6671
3.80	3.00	2.70	4.00	40 00	Wheat, corn, oats, barley, Kaffir or milo maize, sunflower seed and re-cleaned wheat screenings.	Corn, oats, barley, wheat, Kaffir or milo maize, sunflower seed and weed seeds.	7414
3.63	3.60	3.05	4.00	2 40	Natural grains, corn, barley, wheat, Kaffir or milo maize, sunflower and re-cleaned broken wheat grains.	Corn, barley, wheat, Kaffir or milo maize, sunflower seed and weed seeds.	6860
3.50	3.00	2.85	4.00	2 25	Wheat, corn, oats, barley, Kaffir or milo maize, sunflower seed and re-cleaned wheat screenings.	Corn, oats, barley, wheat, Kaffir corn or milo maize, sunflower seed and weed seed.	7301
3.75	3.60	2.30	4.00	2 25	Wheat, corn, barley, Kaffir or milo maize sunflower, small, imperfect and broken grains of wheat.	Corn, wheat, barley, Kaffir corn or milo maize, sunflower seed, buckwheat, flaxseed, and small amount of weed seeds.	7010
3.64	-----	2.55	-----	2 19			
5.05	2.50	7.42	9.00	2 94	Middlings, bran, corn meal, charcoal, alfalfa meal, linseed meal and granulated meat.	As certified, -----	6515
4.60	2.50	7.32	9.00	2 50	Middlings, bran, corn meal, charcoal, alfalfa meal, linseed meal and granulated meat.	As certified, -----	7155
4.40	2.50	8.45	9.00	2 15	Middlings, bran, corn meal, charcoal, alfalfa meal, linseed meal and granulated meat.	As certified, -----	6673
4.35	3.00	7.00	9.00	2 35	Middlings, bran, corn meal, charcoal, alfalfa meal, linseed meal and granulated meat.	As certified, -----	7415
4.50	3.30	7.65	9.00	2 50	Middlings, bran, corn meal, charcoal, alfalfa meal, linseed meal and granulated meat.	As certified, -----	7020
4.35	2.50	7.12	9.00	2 40	Middlings, bran, corn meal, charcoal, alfalfa meal, linseed meal and granulated meat.	As certified, -----	7302
4.53	-----	7.59	-----	2 47			

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and and Address of Manu- facturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6837	Reed's Mixed Hen Feed, J. O. Reed, Philipsburg, Pa.	Philipsburg, J. O. Reed,	637	Per ct. 12.04	Per ct. 11.00	-----
6939	Chicken Feed-Scratch Size, Robinson-Danforth Com. Co., St. Louis, Mo.	Altoona, Kirsner Bros.,	739	12.17	10.69	10.00
6375	Keystone Egg Producer, Romberger Bros., Har- risburg, Pa.	Harrisburg, Romberger Bros.	175	12.68	11.75	11.40
7435	Ogemaw A. A. Pigeon Feed, Saginaw Milling Co., Saginaw, Mich.	Pittsburg, The I. W. Scott Co.	1235	11.44	16.69	13.5-16
7197	Mixed Chicken Grain, Scranton - Flour and Co., Scranton, Pa.	Scranton, Scranton Flour and Grain Co.	997	10.12	10.94	8.56
7488	Government Mash, George L. Siegel, Erie, Pa.	Erie, George L. Siegel,	1288	9.80	17.19	16.00
7322	Simpson Bros. Hen-O-La Mash Feed, Simpson Bros., Norristown, Pa.	Norristown, Simpson Bros.,	1122	7.14	13.06	12.00
7323	Simpson Bros. Hen-O-La Scratch Feed, Simpson Bros., Norristown, Pa.	Norristown, Simpson Bros.,	1123	10.10	10.06	10.00
6318	Pearlieross Chick Feed, P. A. & S. Small Co., York, Pa.	York, P. A. & S. Small Co.	118	10.19	10.44	10.00
6507	Egg Mash Feed, Smith Bros., Bradford, Pa.	Bradford, Smith Bros.,	307	11.26	17.69	17.20
6591	Spalding's Dry-Mash, H. M. Spalding & Son, Troy, Pa.	Troy, H. M. Spalding & Son.	391	8.78	25.19	18-20
6555	Spratts' Patent Chick Meal, No. 5, Spratts' Patent (American) Ltd., New- ark, N. J.	Sunbury, Blank & Gott- shall.	355	8.18	20.25	20.00
6573	Spratts' Patent Chick Meal, No. 5, Spratts' Patent (American) Ltd., New- ark, N. J.	Williamsport, F. W. Daw- son & Son.	373	6.32	21.56	20.00
7434	Spratts' Patent Chick Meal, No. 5, Spratts' Patent (American) Ltd., New- ark, N. J.	Pittsburg, The I. W. Scott Co.	1234	7.03	22.00	20.00
		Average, -----		7.17	21.27	-----

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.15	Per ct. -----	Per ct. 4.55	Per ct. -----	-----			
3.01	3.60	2.75	6.00	\$2 25	Corn, wheat, oats, Kafir corn, huckwheat, barley, oyster shells, grit and sunflower seed.	As certified, -----	6837
					Natural grains, corn, barley, wheat, Kafir or milo maize, sunflower and re-cleaned broken grains of cereal plants separated from wheat, barley and flax screenings.	Corn, barley, wheat, Kafir corn or milo maize, sunflower seed, re-cleaned broken grains separated from wheat, barley and flax screenings and large amount of weed seeds.	6939
3.68	3.90	2.77	5.30	1 95	Wheat, cracked corn, spelts, barley, buckwheat, Kafir corn, wheat screenings and sunflower seed.	As certified, -----	6375
2.50	[2.75 3.75]	3.32	3.5-5	2 95	Wheat, Kafir corn, huckwheat, hemp seed, millet and peas.	Wheat, Kafir corn, huckwheat, millet and peas.	7435
3.53	3.10	2.85	2.60	1 85	Kafir corn, wheat, cracked corn, oyster shell, B. W. grains, M. S. C. grit, sunflower seed, oats and barley.	Kafir corn, wheat, cracked corn, huckwheat, sunflower seed, oats, barley, oyster shells and grit.	7197
5.25	4.50	7.80	9.25	1 80	Beef scrap, alfalfa meal, oil meal, oats, corn, bran and shorts.	As certified, -----	7488
4.08	3.00	2.80	4.00	36 00	Corn chop, wheat bran, wheat middlings, gluten feed, han-e-ta, and oil meal, old process.	As certified, -----	7322
3.25	3.00	2.60	3.00	38 00	Cracked corn, wheat, Kafir corn, oats, huckwheat, No. 2 hen-e-ta and sunflower seed.	As certified, -----	7323
3.88	2.50	2.99	5.00	1 80	Wheat, corn, Kafir corn and millets.	As certified, -----	6318
5.00	4.00	6.75	10.00	2 00	Meal, middlings, alfalfa clover meal, beefscrap, oil meal and charcoal.	Corn meal, wheat middlings, alfalfa clover meal, beef scraps, oil meal and charcoal.	6507
6.68	4-6	5.12	7-9	1 90	Corn meal, wheat middlings, wheat bran, alfalfa meal, oil meal, beef scraps and salt.	As certified, -----	6591
2.63	3.50	1.02	2.00	4 75	Wheat flour and meat,--	As certified, -----	6555
3.25	3.50	1.35	2.00	5 75	Wheat flour and meat,--	As certified, -----	6573
3.50	3.50	1.00	2.00	5 50	Wheat flour and meat,--	As certified, -----	7434
3.13	-----	1.12	-----	5.33			

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manu- facturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
7294	Antwerp Pigeon Feed, Strunk & Moyer, Read- Pa.	Reading, Strunk & Moyer,	1094	11.10	16.13	14.81
7293	Dandy Scratch Feed, Strunk & Moyer, Read- ing, Pa.	Reading, Strunk & Moyer,	1093	11.31	12.19	11.81
6281	Excelsior Chicken Feed, Swope Bros, Johnstown, Pa.	Johnstown, Swope Bros.,----	81	11.70	10.94	8.00
6861	Victor Poultry Food, Vie- tor Mills, Springville, N. Y.	Ridgway, Smith Bros. Co.,	661	13.23	10.31	-----
7298	Success Scratch Feed, George Walters & Son, Hamburg, Pa.	Hamburg, George Walters & Son.	1098	9.05	9.63	8-10
6538	Choice Chick Feed, J. H. & S. E. Weber, Center Hall, Pa.	Center Hall, J. H. & S. E. Weber.	338	11.93	11.44	10.50
6537	Choice Hen Food, J. H. & S. E. Weber, Center Hall, Pa.	Centre Hall, J. H. & S. E. Weber.	337	11.63	10.63	10.50
7285	George W. Wertz's Mash Feed for Poultry, George W. Wertz, Wernersville, Pa.	Reading, George W. Wertz,	1085	9.15	15.38	16.00
7072	White Oak Hen Buster, Lay or Bust, The White Oak Milling Co., Inc., Holsopple, Pa.	Holsopple, The White Oak Milling Co., Inc.	872	8.92	18.06	18.25
7423	Invincible Poultry Feed, W. T. Will & Son, Phila- delphia, Pa.	Paoli, Edward F. Bracken,	1223	11.47	11.75	11.00
7261	William Star Scratch Feed, F. C. Williams, Easton, Pa.	Slatington, A. J. Kern,	1061	11.57	9.31	9.00
7073	White Oak Chick Feed, The White Oak Milling Co., Inc., Holsopple, Pa.	Holsopple, The White Oak Milling Co., Inc.	873	10.81	11.75	11.00
7074	White Oak Scratch Feed, The White Oak Milling Co., Holsopple, Pa.	Holsopple, The White Oak Milling Co., Inc.	874	12.03	11.25	11.03
7379	Perfection Mash Feed, M. E. Yost, Doylestown, Pa.	Doylestown, M. E. Yost, ----	1179	7.74	17.44	16.25
7381	Yost's Life Saver Little Chick Food, M. E. Yost, Doylestown, Pa.	Doylestown, M. E. Yost,----	1181	10.75	12.31	12.31

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.25	Per ct. 4.43	Per ct. 4.82	Per ct. 4.43	\$2 80	Wheat, Kaffir corn, peas, buckwheat, hemp seed, millet and vetebes.	As certified, -----	7294
3.65	4.50	3.60	4.31	2 30	Wheat, cracked corn, Kaffir corn, buckwheat, barley, sunflower seed, meat and bone.	As certified, -----	7293
2.73	2.00	2.95	6.00	35 00	Corn, Kaffir corn, buckwheat, wheat, oats, barley, milo maize, grit and oyster shell.	As certified, -----	6281
3.00	-----	4.10	-----	2 25	Mixed grains, -----	Corn, oats, wheat, buckwheat, Kaffir corn, and sunflower seed.	6861
3.50	3.50	3.10	5.50	2 25	Cracked corn, wheat, barley, Kaffir corn, peas, sunflower seeds, oats and mica spar.	As certified, -----	7298
3.90	3.00	2.25	4.00	2 50	Cracked wheat, cracked corn and trace of oats.	As certified, -----	6538
3.00	3.00	3.25	4.00	2 25	Cracked corn, barley, wheat, buckwheat, grit and charcoal.	As certified, -----	6537
5.25	5.00	5.50	7.00	2 25	Corn, oats, middlings, bran and animal meal.	As certified, -----	7285
3.74	4.95	6.05	7.06	2 50	-----	Corn, oatmeal, oil meal, cottonseed meal, beef meal, wheat, alfalfa, buckwheat middlings and oyster shells.	7072
3.60	3.00	3.40	4.00	2 25	Wheat, corn, barley, Kaffir corn, sunflower, buckwheat, charcoal and miscellaneous seed.	As certified, -----	7423
2.50	2.50	2.47	3.50	2 20	-----	Corn, oats, barley, wheat, buckwheat and Kaffir corn.	7261
3.15	3.04	2.10	2.76	3 00	-----	Corn, wheat, Kaffir corn and trace of corn cockle.	7073
3.35	3.05	2.95	3.43	2 50	-----	Corn, oats, wheat, buckwheat and trace of corn cockle.	7074
5.40	3.70	8.80	7.52	2 00	Bran, alfalfa, charcoal, middlings, granulated corn meal, crushed oats, ground buckwheat, oil cake meal, beef scraps and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	7379
2.08	2.78	2.62	3.17	*.07	Granulated corn meal, granulated rice, granulated peas, granulated charcoal, granulated oat meal, granulated wheat, granulated Kaffir corn, linseed meal and millet seed.	As certified, -----	7381

*Per package.

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Place and Address of Manu- facturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
	ANIMAL BY-PRODUCTS.			Per ct.	Per ct.	Per ct.
6277	Armour's Pure Animal Food Beef Scraps for Poultry, Armour Fertilizer Works, Chicago, Ill.	Johnstown, G. Bostert & Son.	77	7.53	59.41	55.00
6276	Armour's Pure Animal Food Medium Poultry Bone, Armour Fertilizer Works, Chicago, Ill.	Johnstown, G. Bostert & Son.	76	7.73	26.00	25.00
6829	3 Medal Poultry Meat, The Berg Co., Philadelphia, Pa.	Tyrone, Tyrone Milling Co.,	629	11.01	50.57	50-55
7067	Bolgianos Square Deal Beef Scraps, Bolgianos Seed Store, Baltimore, Md.	Huntingdon, Huntingdon Milling Co.	867	6.82	53.82	50.55
7333	Beef Scrap, F. P. Cassel & Son, Lansdale, Pa.	Lansdale, F. P. Cassel & Son.	1133	5.89	51.03	50-55
6574	Blue Ribbon, Meat Scraps, The Park & Pollard Co., Boston, Mass.	Williamsport, F. W. Dawson & Son.	374	4.53	54.69	45-65
7451	Beef Scraps, Pittsburg Provision and Packing So., Pittsburg, Pa.	Wilkinsburg, Johnston & Smith.	1251	9.08	35.88	36-38
6531	Spratt's Patent Ground Meat, Spratt's Patent (American) Ltd., Newark, N. J.	Kane, J. A. Stoll & Co.,	331	14.36	45.48	43.00
7585	Swift's Special Meat Scraps, Swift & Co., Chicago, Ill.	East Pittsburg, James Beech & Son.	1385	3.91	59.80	50.00
7154	Swift's Special Meat Scraps, Swift & Co., Chicago, Ill.	Titusville, Kerr Hill Mill Co., Ltd.	954	6.40	61.13	50.00
	CONDIMENTAL STOCK AND POULTRY FOODS.	Average, -----		5.15	60.47	-----
7336	"Brand-Three" Marsh Food, F. P. Cassel & Son, Lansdale, Pa.	Lansdale, F. P. Cassel & Son.	1136	9.31	14.06	13-14
6768	Chick Manna, F. P. Cassel & Son, Lansdale, Pa.	Lewistown, Elder & Eckbert,	568	9.39	14.06	12-14
6606	Chick Manna, F. P. Cassel & Son, Lansdale, Pa.	Latrobe, K. & L. Golde, ---	406	8.65	13.69	12-14

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
15.99	12.00	0.90	1.50	\$3 50	-----	Beef scraps, -----	6277
1.93	0.50	2.72	1.50	2 50	-----	Poultry bone, -----	6276
13.04	13-15	1.94	1-3	3 00	-----	Meat scraps, -----	6829
12.15	10-12	1.10	1-2	4 00	-----	Beef scraps, -----	7067
11.11	12-14	1.21	2.00	52 00	-----	Beef scraps, -----	7333
15.67	12-18	1.61	-----	3 25	-----	Meat scraps, -----	6574
21.35	14.5-15	3.10	2.73-3	3 50	-----	Beef scrap and bone, -----	7451
12.44	11.00	1.16	2.00	3 50	-----	Ground meat, -----	6531
14.81	8.00	1.81	-----	3 40	-----	Meat scraps, -----	7585
8.20	6.00	2.12	-----	3 00	-----	Meat scraps, -----	7154
11.51	-----	1.96	-----	3 20			
5.53	5-6	6.27	6-7	29 00	Wheat bran, alfalfa meal, wheat middlings, gluten meal, cottonseed meal, bone meal, linseed meal, ground oats, meat meal, corn meal, Kaffir corn meal, bran, millet, aniseed, corn starch, cracker meal, ginger, gentian, chalk, sulphate of iron, sulphur and salt.	As certified, -----	7336
3.70	4-5	2.20	2-3	10 00	Special prepared corn, oats and wheat middlings, crackers, gentian, ginger, chalk, aniseed, ferrous sulphate sulphur, starch, meat, bone and salt.	As certified, -----	6768
3.82	4-5	2.50	2-3	10 00	Special prepared corn, oats and wheat middlings, crackers, gentian, ginger, chalk, aniseed, ferrous sulphate sulphur, starch, meat, bone and salt.	As certified, -----	6006

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and name and Address of Manu- facturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.		
					Found.	Guaranteed.	
7003	Chick Manna, F. P. Cassel & Son, Lansdale, Pa.	Washington, Henry O. Myers.	803	Per ct. 8.73	Per ct. 13.63	Per ct. 12-14	
		Average, -----		8.92	13.79	-----	
7334	"F. P. C." High Grade No. 1 Poultry Mash Food, F. P. Cassel & Son, Lans- dale, Pa.	Lansdale, F. P. Cassel & Son.	1134	9.31	21.25	18-20	
6546	Federal Poultry Food (A. Tonic), Federal Food Co., Mifflinburg, Pa.	Mifflinburg Federal Food Co.	346	5.48	6.44	6.13	
6547	Federal Poultry Food (A. Tonic), Federal Food Co., Mifflinburg, Pa.	Mifflinburg Federal Food Co.	347	13.88	9.63	8.94	
6426	Hen-e-ta Mash-Food, Haney-Frazier Milling Co., Danville, Pa.	Danville, Haney-Frazier Mill- ing Co.	226	8.63	15.31	12.00	
7116	Lee's Egg Maker and Chick Grower, George H. Lee Co., Omaha, Neb.	Sharon, William E. Kelly,	910	6.61	36.32	-----	

FEEDING STUFFS COLLECTED IN 1912.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or ewt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.71	Per te. 4-5	Per ct. 2.42	Per ct. 2-3	\$10 00	Special prepared corn, oats and wheat middlings, crackers, gentian, ginger, chalk, aniseseed, ferous sulphate sulphur, starch, meat, bone and salt.	As certified, -----	7003
3.74	-----	2.37	-----	10 00			
5.95	4-6	8.90	9-12	39 00	Meat meal, oat chop, corn meal, alfalfa meal, wheat bran, wheat middlings, linseed meal, gluten meal, cottonseed meal, charcoal and small percentage of sulphur, ginger, salt, gentian and sulphate of iron as a health conditioner.	As certified, -----	7334
1.75	1.93	18.67	18.52	3 50	Hydrate of lime, pulverized limestone for grit, aniseseed, foenugreek, Venetian red, Cayenne pepper, copperas, sassafras bark, powdered oyster shells, buckwheat shorts, mustard bran, and black pepper.	As certified, -----	6546
3.35	3.02	28.45	30.47	3 50	Charcoal, antimonias, aniseseed, foenugreek, gentian, cayenne pepper, flour sulphur, epsom salts, air dried copperas, sassafras bark, buckwheat shorts and mustard bran.	As certified, -----	6547
4.45	3.00	5.62	12.00	1 95	Wheat bran, wheat middlings, gluten, corn meal, alfalfa meal, cracked corn, No. 4 Hen-e-ta bone grit, meat meal, bone flour, ground blood, C. P. charcoal, gentian root, foenugreek seed, licorice root and fennel seed.	As certified, -----	8426
1.90	-----	13.56	-----	1 00	Granulated blood, (deodorized), linseed meal, (55 per cent); potassium nitrate, sodium sulphate, ginger, gentian, foenugreek, iron sulphate, Cayenne, sulphur, charcoal (45 per cent.) and common salt. These and none other.	As certified, -----	7116

TABLE IX.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
7234	Little Grant Stock Food-Tonic, Little Giant Stock Food Co., Newark, N. J.	Towanda, The Dayton Milling Co.	1034	Per ct. 7.18	Per ct. 21.44	Per ct. 21-28
6894	Pratts' Baby Chick Food, Pratt Food Co., Philadelphia, Pa.	New Kensington, Skillen & Gailey.	694	8.89	14.94	13-14.5
6769	Pratts' Baby Chick Food, Pratt Food Co., Philadelphia, Pa.	Lewistown, G. M. White,	569	9.73	15.19	13.00
		Average, -----		9.31	15.07	-----
6324	Standard Poultry Food, Standard Stock Food Co., Omaha, Neb.	York, Miller Bros., -----	124	6.87	17.69	1.00
6749	Imperial Egg Food, The E. O. Sturtevant Co., Hartford, Conn.	Newport, F. M. Snyder & Co.	549	3.01	7.19	-----

FEEDING STUFFS COLLECTED IN 1912.—Concluded.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.11	Per te. 9-12	Per ct. 18.87	Per ct. 14-15	\$ 00	Sterilized meat meal, sterilized ground blood, sterilized bone flour, C. P. charcoal, imported German fennel seed, imported French gentian root, imported African foenugreek seed, and imported Spanish licorice root.	As certified, -----	7234
5.35	4.75-6	2.20	2.25-3	8 33	Hulled oats, corn meal, wheat middlings, epsom salts, bone meal, cooked wheat, pepper, gentian, millet, ginger, rape, caraway and shell meal.	As certified, -----	6894
5.68	4.75	2.20	3.00	10 00	Hulled oats, corn meal, wheat middlings, epsom salts, bone meal, cooked wheat, pepper, gentian, millet, ginger, rape, caraway and shell meal.	As certified, -----	6769
5.52	-----	2.20	-----	9.17			
3.43	1.00	22.72	20.00	10 00	Gentian root, ginger root, capsicum, dried blood, bone meal, oyster shell, charcoal, alfalfa meal and salt.	As certified, -----	6324
1.91	-----	8.80	-----	15 30		Wheat bran and middlings, rice hulls, pepper, bone, sulphur and calcium carbonate.	6749



